

# HYDRAULIC

HOSE, COUPLINGS + EQUIPMENT



2015 PRODUCTS CATALOG



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Male Pipe (NPTF - 30° Cone Seat)	4G-2MP	G1	Female British Standard Parallel Pipe O-Ring Swivel - 90° Block	4G-4FBSPORX90BL	G39
Male Pipe Long Nose	4G-4MPLN	G1	Female British Flat-Face Swivel	6G-6FBFFX	G39
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Male Pipe Swivel - 90° Long Block (NPTF - Without 30° Cone Seat)	6G-8MPX90L	G3	Komatsu O-Ring Flange - 90° Bent Tube	10G-10FLK90	G40
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Male O-Ring Boss Swivel - 45° Bent Tube	6G-6MBX45	G5	<b>MegaCrimp® Couplings with TuffCoat™ Xtreme® Plating</b>		
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Male O-Ring Boss Swivel - 90° Block	4G-5MBX90BL	G7	Female JIC 37° Flare Swivel	4G-4FJX-TCX	G45
Male JIC 37° Flare	4G-4MJ	G7	Female JIC 37° Flare Swivel - 45° Bent Tube	4G-6FJX45S-TCX	G45
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Female JIC 37° Flare Swivel - 45° Bent Tube	4G-4FJX45S	G9	Female Flat-Face O-Ring Swivel - 90° Bent Tube	4G-4FFORX90S-TCX	G47
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Male Pipe (NPTF - 30° Cone Seat) - Brass	4C14-2MP-B	M1	Male Pipe (NPTF - 30° Cone Seat) - Brass	5C5-4RMPB	P1
Female JIC 37° Flare Swivel - Stainless Steel	6C14-6FJX-SS	M2	Male JIC 37° Flare - Steel	4C5-4RMJ	P2
Female JIC 37° Flare Swivel - Brass	6C14-6FJX-B	M2	Female JIC 37° Flare Swivel - Steel	6C5-6RFJX	P2
Female JIC 37° Flare Swivel - 45° Bent Tube - Steel	4C14-4FJX45	M2	Female JIC 37° Flare Swivel - Brass	6C5-6RFJXB	P3
Female JIC 37° Flare Swivel - 90° Bent Tube - Steel	4C14-4FJX90	M3	Female JIC 37° Flare Swivel - 45° Bent Tube - Steel	6C5-6RFJX45	P3
Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Stainless Steel	4C14-4FJSX-SS	M3	Female JIC 37° Flare Swivel - 90° Bent Tube - Steel	6C5-6RFJX90	P3
			Male SAE 45° Flare - Steel	4C5-4RMS	P4
			Male SAE 45° Flare Inverted Swivel - Steel	4C5-4RMIX	P4
			Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel	4C5-4RMIX45	P5
			Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel	4C5-4RMIX90	P5
			Female SAE 45° Flare Swivel - Steel	6C5-6RFSX	P6
			Female SAE 45° Flare Swivel - Brass	6C5-6RFSXB	P6
			Female SAE 45° Flare Swivel - 45° Bent Tube - Steel	6C5-6RFSX45	P6
			Female SAE 45° Flare Swivel - 90° Bent Tube - Steel	6C5-6RFSX90	P7
			Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel	4C5-4RFJSX	P7
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Female Flat-Face Swivel - Steel	4C5-4RFFORX	P9	Male Pipe NPTF to Female Pipe Swivel NPSM - 45°	2MP-2FPX45	R5
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Female Flat-Face Swivel - 90° Bent Tube - Steel	4C5-4RFFORX90	P10	Female Pipe NPTF to Female Pipe NPTF	2FP-2FP	R7
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Male Poppet Valve to Female Pipe	6MQFFVH-6FP	S21	<b>O-Rings</b> O-Rings for Code 61, Code 62, and Caterpillar-Style Flange Fittings O-Rings for Straight Thread Boss Fittings O-Rings for Flat-Face Fittings O-Rings for British Standard Parallel Pipe (BSPP Couplings) O-Rings for DIN Heavy Series (PC, PCM & PCS Couplings) O-Rings for DIN Light & Heavy Series (MegaCrimp® and GlobalSpiral™ Couplings)		
Female Screw to Connect to Female Pipe	6FQFFVH-6FP	S21			
<b>G956 Series (Industrial ISO 7241 - Series A)</b>					
Male Poppet Valve to Female Pipe	4MQP-4FP	S22	<b>Tube Nuts and Sleeves</b> Tube Sleeve Nut Tube Sleeve Female Flareless Nut Female Flareless Sleeve Locknuts for Bulkhead Fittings Metric Bite Nut Metric Bite Sleeve	8 FLANGE O-RING	V13
Female Poppet Valve to Female Pipe	4FQP-4FP	S22		3 O-RING	V13
O-Ring	4QDOR	S22		4 O-RING FF	V14
Backup Ring	4QDBR	S23			
QD Dust Plug	8QDDP	S23		4 O-RING FBSPP	V14
QD Dust Cap	8QDDC	S23			
QD Plug/Cap Combination	4QDDP/C	S23		8 O-RING DIN H	V15
				15/16 O-RING DIN L/H	V15
<b>G959 Series (Agriculture QD Adapters)</b>					
John Deere Old Style to ISO Style	8MJD-8FISO	S24	<b>Diagnostic</b> Diagnostic Equipment		
ISO Style to John Deere Old Style	8MISO-8FJD	S24			
Int'l Harvester to John Deere Old Style	8MIHC-8FJD	S24			
Int'l Harvester Old Style to ISO Style	8MIHC-8FISO	S24			
ISO Style to Int'l Harvester Old Style	8MISO-8FIHC	S25			
ISO Style to John Deere Old Style - (Double Shutoff)	8MISO-8FJDDSO	S25			
ISO Style to Int'l Harvester Old Style - (Double Shutoff)	8MISO-8FIHCDSO	S26			
<b>Live Swivel</b>					
Male BSPP to Male BSPP	8BSPP-8BSPP-LX	T1	<b>Equipment and Parts</b> MobileCrimp® 4-20 Crimper  MobileCrimp® 4-20 Pumps MobileCrimp® 4-20 Dies MobileCrimp® 4-20 Parts MobileCrimp® 4-20 Positive Stop Spacers Power Crimp® 707 Crimper Power Crimp® 707 Pump Power Crimp® 707 Dies Power Crimp® 707 Parts  SC32™ Crimper	RFID BAND TAG - ORANGE	V20
Male JIC to Male JIC	6MJ-6MJ-LX	T1			
Male JIC to Female JIC/Boss	8MJ-8FJ/FB-LX	T1			
JIC Seal Kit	6JIC SWIVEL SEAL KIT	T2		MC4-20 POSITIVE STOP CRIMPER	W1
Male JIC to Female Pipe	8MJ-8FP-LX	T2		SHOP AIR PUMP	W1
ORS Seal Kit	12ORS LIVE	T2		DIE SET MCC3	W1
	SWIVEL SEAL KIT	T2		8' Hose Assy MC4-20	W2
ORS/BSPP Seal Kit	8ORS/8BSPP LIVE	T2		B1 SPACER PS	W3
	SWVL SEAL KIT	T3		PC707ND NO DIES	W4
Male ORFS to Female ORFS	12MFFOR-	T3		115V/1HP/60 CYCLE	W4
	12FFORX-LX	T3	DIE SET 720	W4	
Male ORFS to Male ORFS	8MFFOR-8MFFOR-LX	T3	PC703 TO PC707 CONV KIT	W5	
			SC32 CRIMPER/PUMP 220V	W6	
<b>Ball Valves</b>					
<b>Two Way Block Style</b>					
Code 61 O-Ring Flange	8FL-8FLBV	U1	SC32™ Pumps	SC32 REPL PUMP ASSY 2HP/220	W7
Code 62 O-Ring Flange	8FLH-8FLHBV	U1	SC32™ Dies	SC32-310 DBL	W7
Female O-Ring Boss	4FB-4FBV	U1		ANGLE DIE SET	W7
Female Pipe NPTF	4FP-4FPBV	U2	SC32™ Parts	SC32 LG DIE SET ADAPTER	W7
<b>Three Way Block Style</b>					
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NOTES

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# Avoid injury to yourself and others by following these important hose assembly steps

## WARNING

Never underestimate the power of a blown hydraulic assembly.

Serious injury, death and destruction of property can result from rupture or blow-apart of a hydraulic hose assembly that is:

- Damaged or worn out
- Assembled or installed incorrectly
- Wrong for application

1. Receive hands-on training with Gates recommended equipment.
2. Follow current Gates **operating manuals and crimp data**.
3. Use only new (unused) Gates recommended hose and couplings **with Gates crimpers**.
4. Wear safety glasses.

### Select and Install Assemblies With Care

1. **Select proper hose assemblies for the application.** Many factors and conditions affecting the inside and outside diameter of the hose must be taken into account.
2. Hose assembly routing **must not** create an injury hazard or damage hose. Refer to the standards, regulations and directories that apply in the countries where the equipment is sold and used.
3. Select hydraulic components so that the application's temperature, pressure and bend radius **do not exceed** recommended component limits.


4. Hose **must not** be stretched, kinked, crushed or twisted during installation or use. Hose **must not** be bent to less than the minimum bend radius.
5. Use **only** thermoplastic hose for **non-conductive** applications. For instance: cherry pickers. All other Gates hoses are electrically conductive.
6. **DO NOT use standard hydraulic hose to convey gases or steam over 500 PSI. Use only products rated for this service.**
7. **DO NOT use hydraulic hose in place of permanent piping.**

### Follow Good Maintenance Practices

1. **Establish a program** of inspection, testing and replacement of hose assemblies from factors including:
  - Severity of application.
  - Frequency of equipment use.
  - Past performance of hose assemblies

2. **Only** properly trained persons should inspect, test or service hose assemblies. Update training periodically.
3. **Document** maintenance, inspections and testing.

### 4. AVOID FLUID INJECTION INJURIES

- Fluid under pressure can cause serious injury. It can be almost invisible escaping from a pinhole, and it can pierce the skin into the body. 
  - Do not touch a pressurized hydraulic hose assembly or attempt to find a hydraulic system leak with any part of your body.
  - If fluid punctures the skin, **even if no pain is felt, a serious emergency exists.** Obtain medical assistance immediately. **Failure to do so can result in loss of the injured body part or death.**
5. Stay out of hazardous areas while testing hose assemblies under pressure. **Use proper safety protection.**

## OTHER SAFETY INFORMATION

Many factors affect the selection, making, installation and maintenance of hose assemblies. This catalog, Gates Corporation, the hydraulic equipment maker and the Society of Automotive Engineers Recommended Practice SAE J1273, have useful information about selecting, making, installing and servicing hydraulic

hose assemblies. For further information, please contact your local Gates representative or call Gates Corporation.

Gates recommends hose and coupling combinations in this catalog only after completing extensive testing.

Evaluation of a hose and coupling combination requires considerable impulse testing

and cannot be determined by a simple burst or pressure hold test. Gates disclaims all liability for any hose assembly made in violation of Gates recommendations, procedures and current crimp data. Crimp data is updated on average every year. For the most up-to-date crimp data, visit our website at [www.gates.com/ecrimp](http://www.gates.com/ecrimp).

The consumer's exclusive remedy with respect to any claim shall be a refund of the purchase price or replacement of the product at the option of Gates. In no event shall Gates be liable for any incidental or consequential damages whatsoever.

## AIRCRAFT POLICY

Do not use Gates hose or couplings on aircraft propeller or rotor drive systems or in-flight accessory drives. Gates products are not designed or intended for aircraft use.

### LIMITED WARRANTY

Gates Products are warranted to be free from defects in material and workmanship, and Gates will, at its option, replace or repair any Products proved defective in material or workmanship. This is the sole remedy for breach of warranty. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, HEREBY ARE EXPRESSLY DISCLAIMED. LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY AND INDIRECT DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, HEREBY IS EXPRESSLY EXCLUDED, REGARDLESS OF WHETHER SUCH DAMAGES WERE REASONABLY FORESEEABLE, OR WHETHER GATES HAD KNOWLEDGE THAT THEY COULD OCCUR. This Limited Warranty shall be void to the extent that any of the following, as determined by Gates, occurs: (a) improper installation of the Products, including any unauthorized installation of Products into vehicles; (b) improper usage or maintenance of the Products; (c) induction of defect by other products; (d) mishandling of the Products or other abuse; (e) improper matching with other applications; (f) collision, engine overheating or oil starvation, or product misapplication or contamination, including, but not limited to, contamination with oil or antifreeze; (g) the Products are used for racing or competition; (h) any use not recommended in writing by Gates; or (i) any failure to follow use instructions.

# WHAT'S NEW

## iLok™ Coupling

iLok is the global hydraulic industry's first hand-torqued 5000 psi hydraulic hose connector. While primarily used in the mining industry, there are other hydraulic applications for which iLok is the perfect solution. The iLok coupling is simple to understand and use, easy to connect and disconnect by hand, withstands high impulse applications, has a secure, visible locking system and a low profile to fit in tight quarters. Refer to the 2015 Gates Mining Catalog for product information.



## C5CXH XTreme™ Heat Hose

Gates C5CXH is a flexible hose for high temperature (300°F) applications. Today, engines contain more power in a smaller space, increasing operating temperatures. C5CXH is a medium-pressure multi-purpose hose used for hot oil line or air brake applications. It is also compatible with marine applications, off-road construction and agricultural vehicles offered with field attachable and crimp-on couplings.



## GC®32TSi™ Crimper

The GC32TSi crimper is a revolutionary way to crimp Gates hose and couplings. This new smart, precision crimper includes all the necessary tools and information onboard to crimp factory-quality hose assemblies. The easy-to-use Android™ touch screen ensures a perfect crimp every time. Simply touch the icons for the hose and couplings you are assembling and the machine will list the proper dies to use as well as the correct crimping specs using Gates eCrimp™ data.



## M2T® XtraTuff™ Dual-Line Hose

Using two joined hoses is costly and cumbersome, adding unnecessary material and labor expense as well as extra bulk that can be problematic when routing. In this new construction, two M2T rubber hoses share a common XtraTuff cover, requiring no adhesives or mechanical bonds for a cost effective and efficient solution.



## TuffCoat™ XTreme™ Plating

Hydraulic couplings need plating to prevent deterioration of the metal. Developed by Gates metallurgical engineers, TCX plating is hexavalent chromate-free. Plating thickness is carefully controlled to prevent damage during crimping that could expose the base metal to corrosion. Uniform plating thickness also ensures a leak-free fit between coupling connections. TCX offers 840 hours of red rust corrosion resistance based on ASTM B117 salt spray testing – 583% greater than the 144-hour SAE industry standard.





## Stainless Steel Couplings

Gates stainless steel couplings are ideal for use in corrosive conditions such as salt spray in marine operations, caustic chemicals in agricultural applications, frequent wash downs in food and beverage processing and other harsh environments. Stainless steel couplings last longer than standard couplings so you can avoid replacing an entire assembly before the hose itself needs replacement. These longer maintenance intervals mean more value for your dollar. Offerings include: JIC straight, JIC bent tube, SAE straight, SAE bent tube, Code 61 flange, Code 62 flange, Male pipe, O-ring face seal and more to come, including DIN terminations. Gates Stainless Steel stems are available in the "B" series for braided hose or the "S" series for spiral-wire.



## 32EFG6K and 32GSM Hose and Coupling System

Gates introduces the world's first one-piece, no-skive, 6000 psi -32 hose and coupling system. This hose and coupling are designed for extremely high pressure, high impulse applications on today's newest mobile equipment platforms, reducing the risk of blow-offs or leaks. The 32GSM is qualified for use on all Gates 2", six-spiral hoses optimizing coupling inventories.



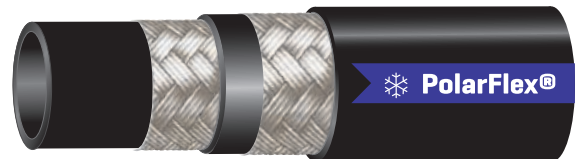
## -40 and -48 MegaSys® Spiral Hose

MegaSys® 40EFG5K and 48EFG4K hydraulic hoses are made for large diameter high-pressure and high-impulse applications. Made of enviro-friendly fluid compatible rubber, these hoses are made with six alternating layers of spiraled high-tensile steel wire and are purchased as finished assemblies from Gates.



## Low Temp Wire-Braid and Spiral-Wire Hose

Gates PolarFlex® low temperature hoses are designed for frigid environments. Ordinary hose covers and tubes stiffen and crack when flexed in the bitter cold. Gates low temperature hoses are tough enough to resist abrasion while remaining flexible enough to bend with the movement of the machine.



## M2T® Hose

With three new sizes (-20, -24 and -32), M2T hose is better than ever, with a tighter bend radius and lighter weight than G2 hose. It also has a lower force-to-bend ratio allowing easy routing in spaces that are too tight for standard SAE 100R2 hose. The layline got an update as well and now sports the SAE 100R2 designation.



# MegaSys® Constant Pressure Hoses

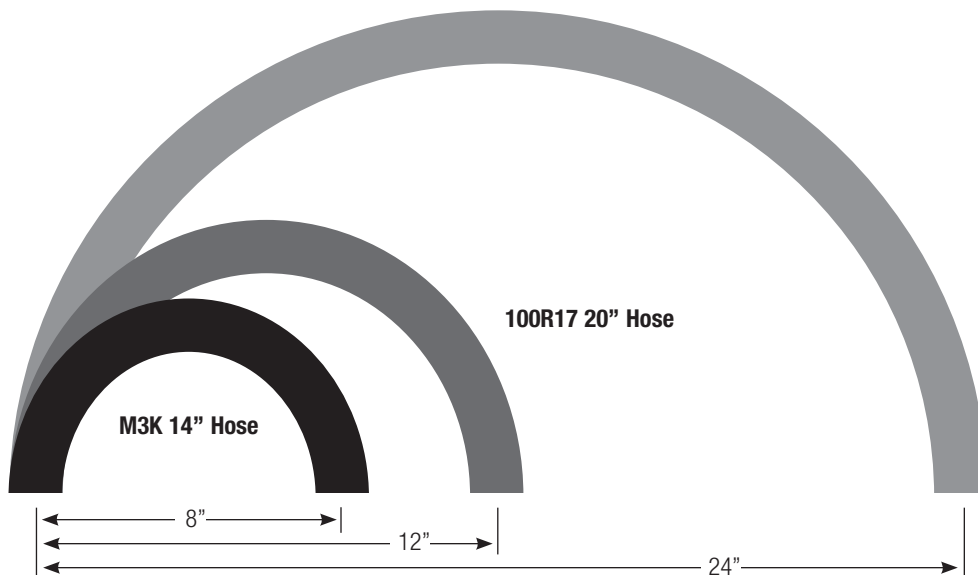
The MegaSys® line consists of constant pressure spiral-wire and wire-braid hoses that can be bent up to one-third SAE specifications. Combined with innovative couplings specifically designed to crimp on these hoses, leak-free performance is guaranteed up to maximum working pressures as high as 8,000 psi.



## MegaSys Benefits

- Simplifies hose selection with constant pressure ratings
- Bends up to one-third SAE bend radius specifications
- Saves overall hose assembly length
- Facilitates easier routing in tight applications
- Requires fewer bent tube fittings
- Eases installation with higher flexibility
- Lowers inventory requirements
- Extends life in bending, flexing applications
- Available with abrasion-resistant XtraTuff™ or MegaTuff® covers
- Reduces costs by as much as 64 percent

## MegaSys Hoses Bend – And Bend Some More



### Up to One-Third SAE Bend Radius Specification

Illustration of 16M3K hose flexibility and reduced hose length requirements

## MegaSys® Wire-Braid Constant Pressure Hoses

### M3K, M4K, M5K and M6K Hoses

- Each hose features a constant working pressure
- Two braids of high-tensile steel wire (one braid in M3K -3, -4, -5, -6 and -8 sizes)
- Nitrile tube for use with biodegradable hydraulic fluids
- Tested to industry-leading 600,000 cycles
- Temperature range -40°F to +212°F (-40°C to +100°C)
- Available with abrasion-resistant XtraTuff™ or MegaTuff® covers
- “H” Versions -40°F to +250°F
- “L” Versions -70°F to +212°F

## MegaSys® Spiral-Wire Constant Pressure Hoses

### EFG3K, EFG4K, EFG5K, EFG6K and G8K Hoses

- Each hose features a constant working pressure
- Four alternating layers (six in some larger sizes) of spiraled, high tensile steel
- Nitrile tube for use with biodegradable hydraulic fluids (Chlorprene for G8K)
- Tested to industry-leading 1,000,000 impulse cycles
- Temperature range -40°F to +250°F (-40°C to +121°C)
- Available with abrasion-resistant MegaTuff® cover
- “L” Versions -70°F to +212°F

### MegaSys Hose Pressure Color Key

3000 psi

M3K/EFG3K

4000 psi

M4K/EFG4K

5000 psi

M5K/EFG5K

6000 psi

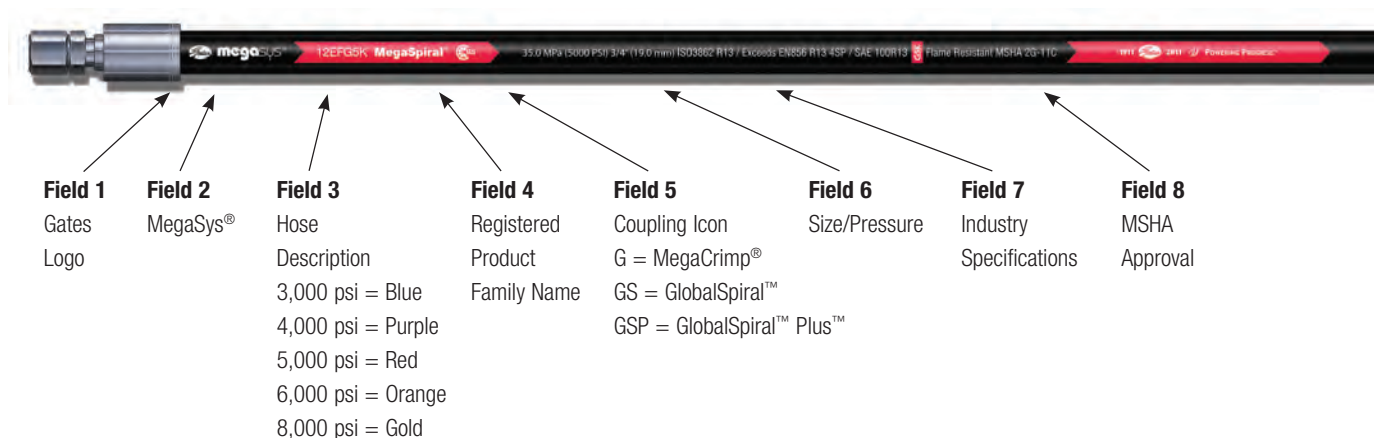
M6K/EFG6K

8000 psi

G8K

## MegaSys® Hose Layline System

These laylines are used exclusively on MegaSys hoses. Distinctive design and pressure color coding makes MegaSys hoses easy to identify in stock or in service.





# MegaSys® Size/Pressure Matrix

Gates revolutionized hose selection with the introduction of MegaSys hoses. Use the charts below for easy hose selection. Just find the required pressure and the chart will show you which hose meets that pressure in the applicable size.

## SAE Specifications (Chart colors do not correspond to MegaSys hose color key system)

I.D.	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32
3000 psi	M3K*	M3K*	M3K*	M3K*	M3K*	M3K*	M3K*	EFG3K	EFG3K	EFG3K
4000 psi	M4K**	M4K**	M4K**/EFG4K	M4K**/EFG4K	M4K**/EFG4K	M4K**/EFG4K	EFG4K	EFG4K		
5000 psi	M5K	M5K	M5K	M5K/EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K
6000 psi	M6K		EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K
8000 psi						G8K	G8K			

■ Exceeds SAE 100R1    ■ Exceeds SAE 100R12    \*M3K    Exceeds SAE 100R17  
■ Exceeds SAE 100R2    ■ Exceeds SAE 100R13    \*\*M4K    Exceeds SAE 100R19  
■ Exceeds SAE 100R15

## European Norm (EN) Specifications (Chart colors do not correspond to MegaSys hose color key system)

I.D.	04	05	06	08	10	12	16	20	24	32
210bar/3K	M3K	M3K	M3K	M3K	M3K	M3K	M3K	EFG3K	EFG3K	EFG3K
280bar/4K	M4K	M4K	M4K/EFG4K	M4K/EFG4K	M4K/EFG4K	M4K/EFG4K	EFG4K	EFG4K		
350bar/5K	M5K	M5K	M5K	M5K/EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K	EFG5K
420bar/6K	M6K		EFG6K	EFG6K	EFG6K	EFG6K	EFG6K	EFG6K		
560bar/8K						G8K	G8K			

■ Exceeds 1SN/1SC    ■ Exceeds 4SP  
■ Exceeds 2SN/2SC    ■ Exceeds 4SH

# MegaSys Constant Pressure Hose and ISO 18752

The progression of the Gates MegaSys products spans over three decades, beginning in the 1980's with the innovative SAE half-bend radius MegaFlex® products M2T® and M1T (now M3K). Gates MegaSys evolved to Constant Pressure specifications and was the forerunner that drove SAE, EN and ISO to follow the Gates engineering lead.

ISO Standard 18752 released in 2006, differs from SAE J517 that reflects the design practices of users who construct hydraulic systems based on performance and pressure requirements.

ISO 18752 is the International Standard specifying requirements for nine classes, four grades and seven types of wire- or textile-reinforced hydraulic hoses and hose assemblies of nominal sizes. Each class has a single maximum working pressure for all sizes.

Hoses are classified according to their resistance to impulse into four grades: A, B, C and D. Each grade is classified by outside diameter into standard types (AS, BS and CS) and compact types (AC, BC, CC and DC)

The MegaSys products exceed the SAE and EN specifications and are aligned and exceed the performance matrix requirements of ISO 18752.

PSI	18752 ISO A	18752 ISO B	18752 ISO C	18752 ISO D
3000 PSI	M3K	M3K	M3KH	EFG3K
4000 PSI	M4K	M4K	M4KH	EFG4K
5000 PSI	M5K	M5K	EFG5K	EFG5K
6000 PSI	M6K	M6K	EFG6K	EFG6K*

\*12 only, other sizes under qualification

# Robust, Leak-Free, Corrosion-Resistant Couplings

Most hose failures, such as blow-offs or leaks, occur at the coupling. Gates couplings are designed for Gates wire braid and spiral wire hoses to form a robust, leak-free, and corrosion-resistant connection that can stand up to rigorous conditions.

## MegaCrimp™ Couplings

Gates MegaCrimp couplings are designed for use with Gates wire braid hydraulic hoses to create a robust, leak-free assembly. The pre-assembled coupling is designed with a patented “C” insert attached to the ferrule. This design ensures that crimping forces are evenly distributed to form a concentric, leak-free seal.

One MegaCrimp coupling size can accommodate various one- and two-wire braid hydraulic hoses of different constructions and wall thicknesses, simplifying inventory requirements, helping to reduce costs and simplifying coupling selection.

### Key Features

- Robust “bite the wire” crimp
- Low profile
- Full-stem insertion
- Full-length crimp
- Tested to industry-leading 600,000 impulse cycles
- Simplifies inventory management
- Environmentally-friendly TuffCoat™ plating for 3x better corrosion resistance than SAE standard



*During crimping, only the MegaCrimp coupling's outside shell takes on the shape of the dies. The “C” insert starts round, stays round – like the hose.*



*Once inserted, MegaCrimp couplings stay put. They don't fall out.*



*MegaCrimp couplings have an optimum insertion force — not too tight, not too loose — so you can feel them “hit bottom” when inserted.*

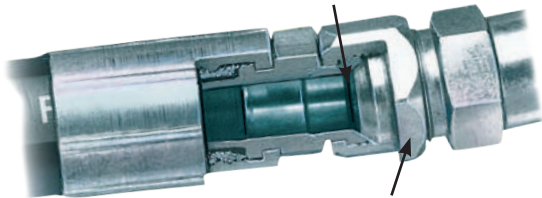
# GlobalSpiral™ Couplings

Engineered for extreme high-pressure, high-impulse spiral wire hose, Gates GlobalSpiral couplings feature a “bite-the-wire” crimp for improved coupling retention. They can be used with Gates four- and six-spiral wire hoses up to 8,000 psi.

The couplings are available in over 80 thread configurations, including SAE, DIN, BSP, Komatsu, and JIS. They have been tested to industry-leading 1,000,000 impulse cycles at 250°F (121°C).

## The no-skive coupling... one stem is all you need

Robust swivel joint allows for maximum torque



Strong Full-Torque Nut™ design — up to 24,000 psi burst pressure (-20 size EFG6K) with improved torque resistance

Features	Benefits
No skive	Fast, tailor-made assemblies. Eliminates skiving equipment, odor and dust.
Tested to 1,000,000 impulse cycles	Extended coupling life.
Coupling to 6,000 psi working pressure in all sizes*	Easy-to-manage inventory. Fewer SKUs.
Over 75-plus thread/flange configurations	Application coverage.
TuffCoat® plating	More than 3x better corrosion resistance than SAE ASTM B117 specification.
"Bite-the-wire" crimp	Improved coupling retention.
Premium steel	Maximum strength.
+250°F temperature capability	Full performance at high temperatures. Longer coupling life.
Machined full-back FJX and FFORX nuts	4:1 burst performance up to 24,000 psi. Improved torque/sealing capability.
Meets worldwide DIN, EN, SAE, ISO and Gates EFG6K standards and requirements	World-class performance.
One stem used for all spiral hoses	Less inventory. Easier to use.
Two-piece design	Reduced inventory by 30% because only one stem is required for all spiral wire hose types.

\*Except as noted in coupling tables

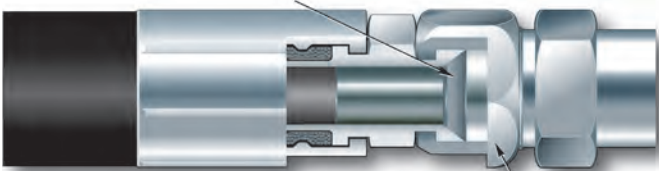
# Full-Torque Nut™ Technology

One of the most common causes of hydraulic leaks is a cracked coupling nut or seat due to over-torquing. Gates has engineered a solution – Full-Torque Nut technology which is standard on all MegaCrimp® and GlobalSpiral™ couplings.

Full-Torque Nut couplings are stronger and more durable than traditional staked-nut fittings. A large holding shoulder evenly distributes stress forces at the nut for higher resistance against cracking, even when inadvertently over-torqued. Increase equipment uptime by eliminating damaged couplings and leaks from too much torque.

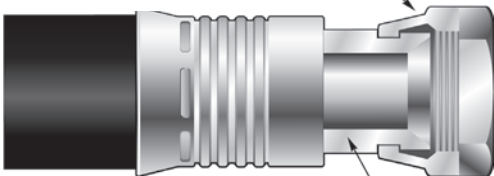
## Over-Torque Protection

Robust swivel joint allows for maximum torque



Up to 24,000 psi burst pressure (-16 size EFG6K)

Staked-nut provides less burst pressure protection



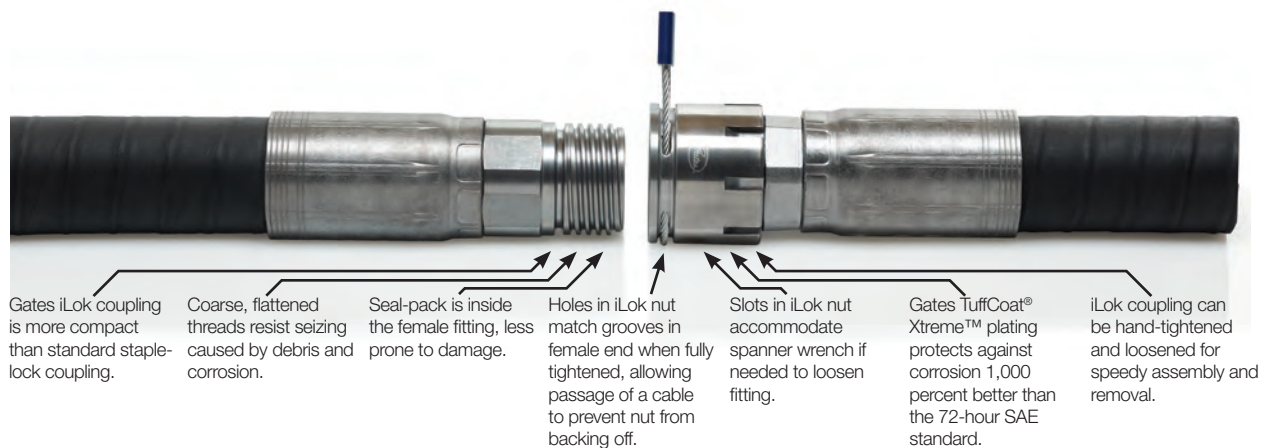
Swivel joint sensitive to over-torquing

# iLok™ Coupling

Gates iLok coupling is designed to realize dramatic reductions in downtime when moving and re-assembling equipment. Compared to a staple-lock coupling, it's simpler, safer, and faster.

## A Coupling So Simple It's Revolutionary

- Simple to understand and use
- Easy to connect and disconnect by hand
- Withstands high impulse applications
- Uses a secure, visible locking system
- Releases residual pressure away from workers during disconnection
- Compact, to fit in tight quarters
- Smooth, to prevent abrasion against adjoining hoses



## Specifications

- Rated at 6,000 psi (-4, -6, -8, -12, -16, -20, -24, -32, -40 sizes) & 5,000 psi (-48 size) for mining applications.
- Rated at 5,000 psi (-4, -6, -8, -12, -16, -20, -24, -32, -40 sizes) & 4,000 psi (-48 size) for hydraulic applications.
- Mining application is described as testing to 300,000 impulse tested at working pressure at 250°F (+121°C) with no leaks or failures.
- Hydraulic application is at SAE standards at 133% working pressure, 250°F (+121°C) and at an increased 1 million impulse cycles with no leaks or failures.
- 4:1 design factor (burst pressure to working pressure ratio).
- Tested in accordance with SAE-J343.
- TuffCoat® Xtreme™ plating provides red rust protection that exceeds the 72-hour SAE standard by 1000%.
- MSHA-approved for underground mining applications.
- Offered as a new termination for Gates GlobalSpiral™ and MegaCrimp™ families of stems.

## MegaTuff® and XtraTuff™ Covers

Nothing is harder on hydraulic hose covers than constant abrasion. Rubbed against metal or other hose, most standard hydraulic hoses – even ones with spring guards or nylon sleeving – can't take the punishment.

### MegaTuff covers: 300x more protection than standard hose covering

Gates MegaTuff hoses are exceptionally resistant to abrasion, thanks to special cover construction and compounding that uses high-performance engineered plastics in an innovative manufacturing process. Also, the specially bonded cover stays put. It won't peel as do some competitive hose covers.

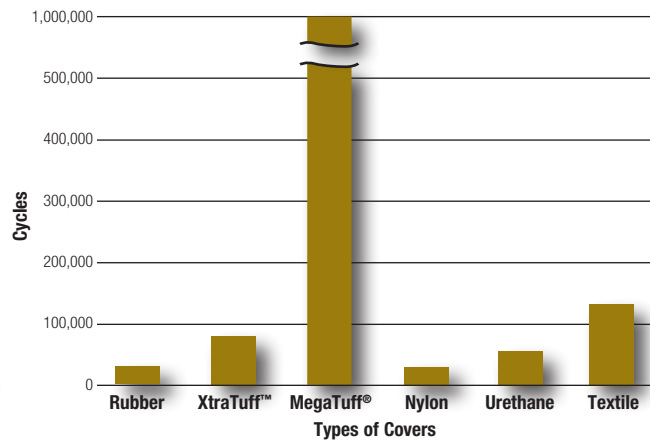
MegaTuff hoses maintain their flexibility and minimum bend radius. They are resistant to oil, ozone, and UV rays, and have been tested to 1,000,000 impulse cycles without failure. These tough hoses are ideally suited for harsh underground mining conditions.

### XtraTuff covers: 25x more protection and standard hose covering

Made of special hybrid compounds, Gates XtraTuff™ covers offer 25x the abrasion resistance of standard cover hydraulic hose, increasing service life, lowering maintenance and eliminating the need for costly hose protectors like spring guards and nylon sleeves. XtraTuff hose is versatile, flexible and easy to manage. With pressure ratings up to 5,000 psi, these hoses will outperform anything the competition has to offer.

#### Abrasion Testing

ISO6945 — Metal-to-hose rubbing cycles to lose one gram of weight



## TuffCoat™ and TuffCoat™ Xtreme® Plating

### Beat the SAE Standard by 600 to 1000%

Just as hoses need a rubber cover to protect the metal reinforcement inside, hydraulic couplings need plating to prevent deterioration of the metal. When hydraulic fittings begin to rust, the base metal is being eaten away by oxidation.

Red rust can eventually damage a hydraulic system in several ways:

- Contaminate hydraulic fluids
- Compromise fitting connections and adjacent components
- Create leak paths
- Make maintenance more difficult

### TuffCoat: One Tough Plating for All Gates Standard Couplings

All Gates couplings are protected, at the minimum, with TuffCoat plating. In ASTM B117 salt spray tests, TuffCoat plating resisted red rust formation for 500 hours. That's 347% greater than the SAE 144-hour industry standard.



### Salt Spray Testing Standards

The SAE J516 standard for hydraulic fittings specifies that fittings shall be plated with a material that passes a 144-hour salt spray test in accordance with ASTM B117. The appearance of red rust within this period indicates failure.

Tested under SAE J516 and ASTM B117 salt-spray conditions, TuffCoat plating provided 500 hours of protection from red rust formation – 347% better than the 144-hour SAE standard.

The Gates coupling with TuffCoat plating shows no red rust formation. White patches on couplings are salt residue, not corrosion.

### TuffCoat Xtreme: An Extra Measure of Protection

TuffCoat Xtreme offers 840 hours of red rust corrosion resistance based on ASTM B117 salt spray testing. That's 583% greater than the 144-hour SAE industry standard.

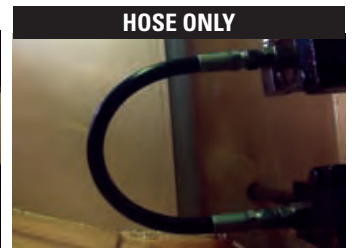


# LifeGuard™ Line-of-Sight Sleeve System

## There's a Better Way to Protect Equipment Operators Against Hydraulic Hose Failure

A burst or pinhole leak in a hydraulic system can cause serious problems – especially for anything or anyone located within a three-foot line-of-sight. Personal injury. Fluid burns and injection. Fires and explosions. Electrical shock. Mechanical failure.

Now, Gates has engineered the first effective, economical alternative to costly metal shielding or rerouting of hose lines. The LifeGuard™ sleeving system is designed to protect operators, equipment and the environment from the hazards of catastrophic hydraulic hose failure – a level of protection previously unavailable.



*The LifeGuard™ sleeve contained and effectively redirected fluid during 10,000 psi (68.9 MPa) burst tests while hoses without sleeving exploded, releasing a large amount of fluid in the immediate area.*

## How the System Works

The LifeGuard™ sleeve is slipped onto the hose and clamped at each end. If a hose burst or pinhole leak occurs, escaping pressures and fluids are contained by the exceptionally strong sleeving material. Fluids then exit the system via openings created by the specially designed channel clamps at each end. A noticeable pool of leaking fluid serves as positive verification that a failure has occurred so corrective action can be taken immediately to replace the hose assembly. LifeGuard sleeving correlates to a variety of industry standards, including ISO 3457 and MSHA's flame-resistance requirements.

- Provides containment of up to 10,000 psi (68.9 MPa) bursts
- Protects against 5,000 psi (34.5 MPa) pinhole leaks at +212°F (+100°C) for up to five minutes
- Handles hydraulic fluids and biodiesel fuel
- Allows fluid to safely escape down the length of the assembly
- Creates noticeable spill for hose failure detection
- Correlates to ISO 3457 and meets MSHA's flame-resistance requirements
- No other sleeve provides this level of protection
- Patent pending system includes Gates hose, couplings, sleeve and channel clamps

# GC®32TSi™ Crimper

There's no room for error when replacing hydraulic hose assemblies. Gates GC32TSi innovative "smart" crimper leaves nothing to chance. All the necessary tools and information reside on-board to crimp rock-solid, leak-free, factory-quality hose assemblies.

Gates GC32TSi crimper features a touch-screen control panel for easy navigation. It links to Gates eCrimp™ database for up-to-the-minute crimp specifications and optimal hose/coupling selection. Advanced functionality such as pinch decompression, precision crimp diameter measurement, machined die retention plates with a simple die loading system, and a self-lubricating crimper head assist the operator in building factory-quality assemblies that meet Gates stringent crimping specifications.



## Key Features:

- Select hose and couplings to be crimped on control panel. Images of these components will then be displayed on tablet screen along with required dies.
- Precision crimps without looking up data, adjusting crimper settings or manually measuring final crimp OD.
- After crimp is complete, the crimp OD is automatically measured and displayed on screen.
- Crimper will not fully retract until the proper crimp OD has been achieved.
- Crimper head ratchets a few degrees after each retract to re-distribute grease.
- Controller is updated where wireless internet is available, or via thumb drive.
- Rear-mounted camera ensures coupling is in full contact with dies prior to crimping.

# Exclusive QUICK-PIC™ and AIM™ Programs

## Building Better Inventory Support for Construction Equipment Owners

Gates Construction Distributors have instant access to our exclusive QUICK-PIC™ and AIM™ computer programs and extensive, up-to-date global product data online.

Whether it's a critical failure in the field or regular equipment maintenance in the shop, your Gates Construction Distributor is the one-stop source for all your hydraulic assembly replacement needs.

- Complete equipment coverage
- Accurate, quality parts replacement
- Alternative to high-priced, hard-to-get OEM parts
- Fast, just-in-time service
- Minimal equipment downtime
- Reduced inventory costs



**QUICK-PIC™**



**AIM™**

### Quick Part Number Interchange

Finds the right replacement assembly in seconds to get equipment back on the job fast.

QUICK-PIC interchanges more than 155,000 construction equipment manufacturer's part numbers with the right, high-quality Gates replacement. Your Gates Construction Distributor can then fabricate a replacement assembly to the right hose length in minutes, including fittings and protectors.

### Accurate Inventory Manager

Matches hose and connector inventory to your equipment.

With AIM, you get the parts you need, when you need them, at a price you can afford. AIM matches your Gates Construction Distributor's inventory to your exact equipment needs – by manufacturer and model.

No more guesswork. No more shopping around for a part. AIM tells your distributor exactly what parts to stock.



**eCrimp**

## Crimp with the Precision of Gates

### Quickly Find Hose and Hydraulic Crimp Specifications

Gates eCrimp™ database allows Gates end users and distributors to find and print the most up-to-date crimp specifications for Gates hydraulic and industrial hose products. It provides crimping instructions, crimp diameter, maintenance and troubleshooting information for the MobileCrimp 4-20, PC 707, SC32, PC 3000B, PC2001, GC32-XD™, GC96 and Omni Crimp 21.

eCrimp:

- Reduces downtime with hose assembly guides
- Eliminates potential dangers of an improperly crimped hose
- Quickly and easily finds exact crimping specifications from your browser
- Is the on-board database for the GC32TSi and GC96TS.
- Allows you to create custom reports around the products which you use most.

Go to [gates.com/ecrimp](http://gates.com/ecrimp) for more information on the web version and mobile app.

# SERVICE AND SUPPORT SOLUTIONS

## Safe Hydraulics™ Program



With safety being a paramount concern in hydraulic applications, Gates offers a comprehensive preventive maintenance program called Safe Hydraulics. The high pressures and temperatures associated with hydraulics, coupled with the confined working spaces, make proper hose and fitting selection and maintenance critical.

Top quality Gates products, combined with the knowledge of how to use and maintain them, provide a wealth of benefits to operators, including:

- Reduced equipment downtime
- Reduced repair costs
- Efficient production
- Increased equipment life expectancy
- Improved spare parts inventory control
- Reduced capital outlays for premature new equipment purchases
- Better use of maintenance personnel
- Minimized safety hazards
- Reduced risk of liability due to spills

Visit [www.gates.com/safehydraulics](http://www.gates.com/safehydraulics) to obtain a complimentary Safe Hydraulics Guide with tips and information about:

- Preventive maintenance program components
- Workplace safety procedures
- Inspection procedures
- Hose risk management
- Troubleshooting advice
- Proper hose selection
- Correct hose assembly
- Hose assembly installation
- Correct routing techniques

## Training & Education



It's no secret in the hydraulic industry that finding qualified employees is becoming a formidable challenge. Unskilled or poorly trained workers expose operators to increased liability due to errors and accidents. Complicated product lines add to the problem.

That's why Gates offers Gates U – educational workshops about Gates hydraulic and industrial hose and their applications. These intensive workshops are held at Gates Customer Solutions Center in Denver, Colorado, where Gates engineers and scientists push the boundaries of fluid power knowledge.

### Hydraulic Products Workshop

The Hydraulic Products Workshop prepares participants to implement the correct Gates hydraulic solution for their application. This intensive workshop features:

- Safe Hydraulics Practices
- Hose Fabrication Principles
- Thread Identification Techniques
- Hose Routing and Installation Skills
- Cleanliness Standards
- Implementation of the Gates System
- Gates Customer Service
- Gates Marketing Programs
- Gates Web Application Tools
- Application Identification and Troubleshooting Skills
- Application of Product Knowledge to Sales
- Proper Crimping Techniques

### Industrial Hose Workshop

This workshop includes:

- Review of Safe Practices for Industrial Hose and Couplings
- Comprehensive Product Line Review
- Discussion of Key Product Features and Benefits
- Foundational Application Engineering Skills
- Proper Crimping Skills and Techniques
- Web Application Tools Overview
- Product Application and Market Specific Discussions
- Application of Product Knowledge to Sales
- CSC Tour Focused on Testing and Development of Gates Industrial Hose Products

### Fluid Power Level 1 Certification

Gates U participants who complete both the Hydraulic Products and Industrial Hose Workshops are eligible to take the Gates Fluid Power Level 1 Certification exam. This two-part assessment includes a comprehensive written exam and a hands-on demonstration of hose assembly skills practiced throughout the workshop week. A passing grade on the written exam is required, as well as an accurate demonstration of hose assembly skills with a certified Gates instructor.

## Application Engineering & Technical Support

When a hydraulic hose fails on hydraulic powered equipment, it could end up costing your operation thousands of dollars in downtime and lost production. Hydraulic hose failures can occur for a number of reasons, including improper hose and/or coupling selection, assembly, installation, and maintenance.

Gates has been setting the standard for hydraulic hose engineering and manufacturing for decades. Our experienced engineering, customer service, and field sales experts have the knowledge and expertise to diagnose hydraulic hose system problems and provide solutions that will get and keep your operations up and running.

FPFAsupport@gates.com Phone: 303-744-5070



# GETTING THE BEST SERVICE LIFE

## From Gates Hydraulic Hose + Assemblies

How long will a hydraulic hose assembly last? It depends on how it's used. This catalog and other Gates literature show the recommended limits for our assemblies (and also the hoses and couplings used to make assemblies). These limits include installation, maintenance and conditions of use. These limits **MUST** be followed or the assembly can fail resulting in personal injury or property damage. If you do not have this important information, you can get it at no cost from your local Gates distributor or Gates field representative.

Hose assemblies in use should be inspected regularly for leaks, kinks, cover blisters, gouges, abrasion and other damage. Damaged or worn assemblies must be replaced immediately. You can increase assembly life if you do the following:

**Hose Assembly Installation** – Hydraulic hose assembly installations should comply with hydraulic hose routing and plumbing standards per SAE J1273 for the proper application of hose assemblies.

**Working Pressure** – The hydraulic system pressure should not exceed the rated working pressure of the hose. Pressure surges or peaks exceeding the rated working pressure are destructive and must be taken into account when selecting a hose.

**Minimum Burst Pressure** – Burst pressures are pressures referred to in this catalog which were intended for destructive testing purposes and for design safety factors only.

**Temperature Range** – Do not expose hose to internal or external temperatures exceeding the recommended limits. Consult additional technical data when hydraulic fluids contain emulsions or solutions. The fluid manufacturer's recommended maximum operating temperature for any given fluid must not be exceeded, regardless of hose temperature range.

**Fluid Compatibility** – The hydraulic assembly (tube, cover, reinforcement and couplings) must be fluid compatible. The correct hose must be used because phosphate ester and petroleum-based hydraulic fluids have drastically different chemical characteristics. Many hoses are compatible with one or the other, but not all fluids. For example, Gates G2XH, MegaTech® and C5D hoses are capable of handling phosphate ester and petroleum-based hydraulic fluids.

**Minimum Bend Radius** – Do not bend or flex hose to a radius smaller than the minimum recommended and do not subject hose to tension or torque. This can place excessive stress on the reinforcement and severely reduce the ability of the hose to withstand pressure.

**Hose Size** – Hose size (inside diameter) must be capable of handling the required flow volume. Too small an I.D. for a given volume of flow results in excessive fluid pressure and heat generation which can result in tube damage.

**Hose Routing** – Restrain, protect or guide hose, with clamps if necessary, to minimize the risk of damage due to excessive flexing, whipping or contacting other moving parts or corrosives. Determine hose lengths and configurations that protect from abrasion, snagging or kinking and provide leak-resistant connections.

**Hose Length** – Correct hose length should include considerations for length changes under pressure, machine vibration and motion, and hose assembly routing.

**Hose Applications** – Select the proper hose for the application. Suction applications (Gates GMV or G4H) and special fluid or high temperature capabilities are among the applications requiring particular consideration and a specific hose. When additional information is required, contact your local Gates representative.

### Hose Shelf Life

Storage environment, along with rubber materials can vary the shelf life limit. Shelf life is difficult to quantify as many variables affect the hose. **Proper storage conditions can result in a minimum of three to five years shelf life.**

Beyond this time there can be significant service life decrease, depending on storage environment variables. Some variables are:

- *Temperature* — Hose should be stored in a cool, dry area never exceeding +100°F (+38°C). If stored below freezing, pre-warming may be required prior to handling, testing and placing into service.
- Direct sunlight, rain, heaters or being near electrical equipment
- Humidity and ozone
- Oil, solvents, corrosive materials or fumes
- Insects or rodents
- Radioactivity
- Space allowance and bends

Store hose in original container. Never stack hose too high, as its weight can crush hose at the bottom of the stack.

Gates recommends hose in extended storage be visually inspected and tested prior to use. Hose judged marginal should be replaced to avoid potential failure, property damage or bodily injury. Store hose on a first-in/first-out basis. Unusually long storage, or poor storage environment can deteriorate hose, reduce performance and may lead to premature failure.

## G8K Spiral Wire Hose Ultra High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Ultra high-pressure, high-impulse applications such as hydrostatic transmissions, for use in the construction, agriculture, forestry, underground or open pit mining, or other industries on applications where extremely high pressure capability is required. G8K hose and couplings offer industry-leading bend radius capability, which leads to ease of routing and installation, longer hose life in flexing applications, and fewer bent tube fitting requirements.

**Tube:** Black, oil-resistant Polychloroprene - Type A tube material allows for the high pressure, high temperature performance required in these demanding applications. See Hose Stock Characteristics.

**Reinforcement:** Six alternating layers of high tensile steel wire spiral construction.






**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

G8K Couplings (Section D)



Description	Product No.						Standard Pack	Weight (Lbs.)
12G8KXCTN	4651-1639	3/4	1.36	8000	32000	9.5	100	1.57
16G8KXCTN	4651-1631	1	1.66	8000	32000	12.0	100	2.21

## EFG6K Spiral Wire Hose - SAE 100R15 Extremely High Pressure

### For Biodegradable Hydraulic Fluids Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, and -20), and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four (six for -20, -24 and -32) alternating layers of spiraled, high-tensile steel.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A). Color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.






**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -20) (Section E)

GlobalSpiral™ MAX Pressure Couplings (-24 and -32) (Section E)

Stainless Steel "S" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
6EFG6K X25FT	4651-4032	3/8	.80	6000	24000	2.5	1	13.70
6EFG6KXCTN	4651-1396	3/8	.80	6000	24000	2.5	100	.51
8EFG6K X25FT	4651-4033	1/2	.95	6000	24000	3.5	1	23.40
8EFG6KXCTN	4651-1371	1/2	.95	6000	24000	3.5	100	.59
8EFG6KXLL	4651-1613	1/2	.95	6000	24000	3.5	200	.58
10EFG6K X25FT	4651-4034	5/8	1.09	6000	24000	4.0	1	21.00
10EFG6KXCTN	4651-1368	5/8	1.09	6000	24000	4.0	100	.80
10EFG6KXLL	4651-1397	5/8	1.09	6000	24000	4.0	200	.80

## HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES






ACCESSORIES

EQUIPMENT AND  
PARTS

## EFG6K Spiral Wire Hose - SAE 100R15

Extremely High Pressure

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	12EFG6K X25FT	4651-4035	3/4	1.24	6000	24000	4.7	1	25.00
	12EFG6KXCTN	4651-1288	3/4	1.24	6000	24000	4.7	100	.96
G8K COUPLINGS	12EFG6KXLL	4651-1398	3/4	1.24	6000	24000	4.7	200	1.00
	16EFG6K X25FT	4651-4036	1	1.53	6000	24000	6.0	1	36.25
GLOBAL SPIRAL COUPLINGS	16EFG6KXCTN	4651-1289	1	1.53	6000	24000	6.0	100	1.49
	16EFG6KXLL	4651-1399	1	1.53	6000	24000	6.0	200	1.50
PCM / PCS FERRULES	20EFG6K X25FT	4651-4037	1 1/4	1.97	6000	24000	8.2	1	67.80
	20EFG6KXCTN	4651-1290	1 1/4	1.97	6000	24000	8.2	50	2.67
	20EFG6KXLL	4651-1400	1 1/4	1.97	6000	24000	8.2	200	2.67
MEGACRIMP COUPLINGS	24EFG6K X25FT	4651-1574	1 1/2	2.26	6000	24000	10.0	1	81.00
	24EFG6KXCTN	4651-1531	1 1/2	2.26	6000	24000	10.0	50	3.41
STAINLESS STEEL	24EFG6KXLL	4651-1572	1 1/2	2.26	6000	24000	10.0	200	3.39
	32EFG6KXCTN	4651-1759	2	2.80	6000	24000	25.0	50	4.93
POWER CRIMP COUPLINGS	32EFG6KXLL	4651-1758	2	2.80	6000	24000	25.0	200	4.93

## EFG6K Spiral Wire Hose - SAE 100R15 - MegaTuff® Cover

Extremely High Pressure

For Biodegradable Hydraulic Fluids  
Meets Flame Resistance Acceptance Designation "MSHA 2G"

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. EFG6K is designed to meet or exceed all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, and -20), and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four (six for -20, -24 and -32) alternating layers of spiraled, high-tensile steel.






**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -20) (Section E)  
GlobalSpiral™ MAX Pressure Couplings (-24 and -32) (Section E)  
Stainless Steel "S" Couplings (Section H)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
QUICK DISCONNECT COUPLERS	6EFG6K-MTF X25FT	4651-4038	3/8	.80	6000	24000	2.5	1	13.40
	6EFG6K-MTFXCTN	4651-1435	3/8	.80	6000	24000	2.5	100	.50
LIVE SWIVEL	8EFG6K-MTF X25FT	4651-4039	1/2	.95	6000	24000	3.5	1	16.60
	8EFG6K-MTFXCTN	4651-1609	1/2	.95	6000	24000	3.5	100	.60
BALL VALVES	10EFG6K-MTF X25FT	4651-4040	5/8	1.09	6000	24000	4.0	1	20.60
	10EFG6K-MTFXCTN	4651-1416	5/8	1.09	6000	24000	4.0	100	.90
ACCESSORIES	12EFG6K-MTF X25FT	4651-4041	3/4	1.24	6000	24000	4.7	1	25.00
	12EFG6K-MTFXCTN	4651-1606	3/4	1.24	6000	24000	4.7	100	1.10
EQUIPMENT AND PARTS	16EFG6K-MTF X25FT	4651-4042	1	1.53	6000	24000	6.0	1	39.00
	16EFG6K-MTFXCTN	4651-1604	1	1.53	6000	24000	6.0	100	1.70
	20EFG6K-MTF X25FT	4651-4043	1 1/4	1.97	6000	24000	8.2	1	74.40
	20EFG6K-MTFXCTN	4651-1601	1 1/4	1.97	6000	24000	8.2	50	2.71
	20EFG6K-MTFXLL	4651-0013	1 1/4	1.97	6000	24000	8.2	121	2.69
	24EFG6K-MTFXCTN	4651-1754	1 1/2	2.26	6000	24000	10.0	50	3.40

## EFG6K Spiral Wire Hose - SAE 100R15 - MegaTuff® Cover Extremely High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
24EFG6KMTFXLL	4651-1755	1 1/2	2.26	6000	24000	10.0	200	3.75
32EFG6K-MTFXCTN	4651-1757	2	2.80	6000	24000	25.0	50	4.93

## EFG6KL Low Temp Spiral Wire Hose Extremely High Pressure

**Recommended For:** Extremely high-pressure hydraulic applications in low temperature environments. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluid.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four or Six alternating layers of spiraled, high tensile wire.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline.

**Temperature Range:** -70°F to +212°F (-57°C to +100°C).

**Coupling Recommendation (See [gates.com/ecrimp](https://www.gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)



Description	Product No.						Standard Pack	Weight (Lbs.)
12EFG6KL XCTN	4651-0038	3/4	1.24	6000	24000	4.8	100	.97
16EFG6KL XCTN	4651-0039	1	1.53	6000	24000	6.0	100	1.48

## EFG5K Spiral Wire Hose - SAE 100R13 Extremely High Pressure

**For Biodegradable Hydraulic Fluids  
Meets Flame Resistance Acceptance Designation "MSHA 2G"**

**Recommended For:** Extremely high-pressure high-impulse applications. Exceeds all requirements of ISO 18752 Grade D and SAE 100R13 and performance requirements of EN 856 4SH (-16 and -20), EN 856 4SP (-10, and -12), EN 856 R13, and ISO 3862 Type R13 (-12, -16, -20, -24, -32). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four (six for -20, -24 and -32) alternating layers of spiraled, high-tensile steel.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.






**Coupling Recommendation (See [gates.com/ecrimp](https://www.gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -20) (Section E)

GlobalSpiral™ MAX Pressure Couplings (-24 and -32) (Section E)

Stainless Steel "S" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
6EFG5K X25FT	4651-4020	3/8	.80	5000	20000	2.5	1	13.40
6EFG5KXCTN	4651-1424	3/8	.80	5000	20000	2.5	100	.47
8EFG5K X25FT	4651-4021	1/2	.95	5000	20000	3.5	1	16.20
8EFG5KXCTN	4651-1372	1/2	.95	5000	20000	3.5	100	.63
8EFG5KXLL	4651-1612	1/2	.95	5000	20000	3.5	200	.59
10EFG5K X25FT	4651-4022	5/8	1.09	5000	20000	4.0	1	22.60

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES






ACCESSORIES

EQUIPMENT AND  
PARTS

## EFG5K Spiral Wire Hose - SAE 100R13

Extremely High Pressure

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	10EFG5KXCTN	4651-1340	5/8	1.09	5000	20000	4.0	100	.80
	10EFG5KXLL	4651-1390	5/8	1.09	5000	20000	4.0	200	.78
G8K COUPLINGS	12EFG5K X25FT	4651-4023	3/4	1.24	5000	20000	4.7	1	25.10
	12EFG5KXCTN	4651-1285	3/4	1.24	5000	20000	4.7	100	.97
GLOBAL SPIRAL COUPLINGS	12EFG5KXLL	4651-1391	3/4	1.24	5000	20000	4.7	200	.95
	16EFG5K X25FT	4651-4024	1	1.53	5000	20000	6.0	1	37.00
PCM / PCS FERRULES	16EFG5KXCTN	4651-1286	1	1.53	5000	20000	6.0	100	1.49
	16EFG5KXLL	4651-1392	1	1.53	5000	20000	6.0	200	1.55
MEGACRIMP COUPLINGS	20EFG5K X25FT	4651-4025	1 1/4	1.97	5000	20000	8.2	1	69.00
	20EFG5KXCTN	4651-1287	1 1/4	1.97	5000	20000	8.2	50	2.30
	20EFG5KXLL	4651-1393	1 1/4	1.97	5000	20000	8.2	200	2.66
STAINLESS STEEL	24EFG5K X25FT	4651-1742	1 1/2	2.26	5000	20000	10.0	1	80.00
	24EFG5KXCTN	4651-1455	1 1/2	2.26	5000	20000	10.0	50	2.99
	24EFG5KXLL	4651-2208	1 1/2	2.26	5000	20000	10.0	200	2.97
POWER CRIMP COUPLINGS	32EFG5K X25FT	4651-1746	2	2.80	5000	20000	25.0	1	120.00
	32EFG5KXCTN	4651-1456	2	2.80	5000	20000	25.0	50	4.86
LOC, GL AND GLP COUPLINGS	32EFG5KXLL	4651-0059	2	2.80	5000	20000	25.0	200	4.86
	40EFG5K X CRATE*	4651-1817	2 1/2	3.35	5000	20000	30.0	200	6.30

\*Crimped assemblies available from Gates.

## EFG5K Spiral Wire Hose - SAE 100R13 - MegaTuff® Cover

Extremely High Pressure

### For Biodegradable Hydraulic Fluids

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**MegaTuff®** hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Extremely high-pressure hydraulic applications. EFG5K is designed to meet or exceed all requirements of SAE 100R13 specifications and performance requirements of EN 856 4SH (-16 and -20), EN 856 4SP (-10, and -12), EN 856 R13, and ISO 3862 Type R13 (-12, -16, -20, -24, -32). Compatible with biodegradable hydraulic fluids like polyol ester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four (six for -20, -24 and -32) alternating layers of spiraled, high-tensile steel.






**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -20) (Section E)  
GlobalSpiral™ MAX Pressure Couplings (-24 and -32) (Section E)  
Stainless Steel "S" Couplings (Section H)








HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
LIVE SWIVEL	6EFG5K-MTF X25FT	4651-4026	3/8	.80	5000	20000	2.5	1	13.00
	6EFG5K-MTFXCTN	4651-1436	3/8	.80	5000	20000	2.5	100	.51
BALL VALVES	8EFG5K-MTF X25FT	4651-4027	1/2	.94	5000	20000	3.5	1	16.00
	8EFG5K-MTFXCTN	4651-1608	1/2	.94	5000	20000	3.5	100	.66
ACCESSORIES	8EFG5K-MTFXLL	4651-1573	1/2	.94	5000	20000	3.5	1200	.56
	10EFG5K-MTF X25FT	4651-4028	5/8	1.09	5000	20000	4.0	1	22.40
EQUIPMENT AND PARTS	10EFG5K-MTFXCTN	4651-1410	5/8	1.09	5000	20000	4.0	100	.80
	12EFG5K-MTF X25FT	4651-4029	3/4	1.24	5000	20000	4.7	1	25.00
	12EFG5K-MTFXCTN	4651-1605	3/4	1.24	5000	20000	4.7	100	1.00



## EFG5K Spiral Wire Hose - SAE 100R13 - MegaTuff® Cover

Extremely High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
16EFG5K-MTF X25FT	4651-4030	1	1.53	5000	20000	6.0	1	40.10
16EFG5K-MTFXCTN	4651-1603	1	1.53	5000	20000	6.0	100	1.49
16EFG5K-MTFXLL	4651-4001	1	1.53	5000	20000	6.0	200	1.49
20EFG5K-MTF X25FT	4651-4031	1 1/4	1.97	5000	20000	8.2	1	68.70
20EFG5K-MTFXCTN	4651-1600	1 1/4	1.97	5000	20000	8.2	50	2.30
20EFG5K-MTFXLL	4651-4002	1 1/4	1.97	5000	20000	8.2	200	2.30
24EFG5K-MTF X25FT	4651-1743	1 1/2	2.26	5000	20000	10.0	1	81.50
24EFG5K-MTFXCTN	4651-2203	1 1/2	2.26	5000	20000	10.0	50	3.26
24EFG5K-MTFXLL	4651-2204	1 1/2	2.26	5000	20000	10.0	200	3.18
32EFG5K-MTF X25FT	4651-1747	2	2.80	5000	20000	25.0	1	122.00
32EFG5K-MTFXCTN	4651-1522	2	2.80	5000	20000	25.0	50	4.71
32EFG5K-MTFXLL	4651-2211	2	2.80	5000	20000	25.0	200	4.86

## EFG5KL Low Temp Spiral Wire Hose

Extremely High Pressure

**Recommended For:** Extremely high-pressure hydraulic applications in low temperature environments. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluid.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four or Six alternating layers of spiraled, high tensile wire.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline.






**Temperature Range:** -70°F to +212°F (-57°C to +100°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -20) (Section E)

GlobalSpiral™ MAX Pressure Couplings (-24 and -32) (Section E)



Description	Product No.						Standard Pack	Weight (Lbs.)
6EFG5KL XCTN	4651-0074	3/8	.80	5000	20000	2.5	100	.48
12EFG5KL XCTN	4651-0020	3/4	1.24	5000	20000	4.8	100	.97
16EFG5KL XCTN	4651-0019	1	1.53	5000	20000	6.0	120	1.49
20EFG5KLXCTN	4651-0058	1 1/4	1.97	5000	20000	8.2	50	2.93
24EFG5KLXCTN	4651-0079	1 1/2	2.26	5000	20000	10.0	50	3.01

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## EFG4K Spiral Wire Hose - SAE 100R12

Extremely High Pressure

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

For Biodegradable Hydraulic Fluids  
Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all requirements of ISO 18752 Grade D, SAE 100R12, EN 856 R12 and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)  
Stainless Steel "S" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
6EFG4K X25FT	4651-4005	3/8	.80	4000	16000	2.5	1	13.55
6EFG4K X50FT	4651-1430	3/8	.80	4000	16000	2.5	1	26.20
6EFG4KXCTN	4651-1338	3/8	.80	4000	16000	2.5	100	.51
8EFG4K X25FT	4651-4006	1/2	.94	4000	16000	3.5	1	16.00
8EFG4K X50FT	4651-1431	1/2	.94	4000	16000	3.5	1	31.40
8EFG4KXCTN	4651-1339	1/2	.94	4000	16000	3.5	100	.63
8EFG4KXLL	4651-1611	1/2	.94	4000	16000	3.5	200	.61
10EFG4K X25FT	4651-4007	5/8	1.09	4000	16000	4.0	1	20.20
10EFG4KXCTN	4651-1367	5/8	1.09	4000	16000	4.0	100	.70
10EFG4KXLL	4651-1614	5/8	1.09	4000	16000	4.0	200	.70
12EFG4K X25FT	4651-4011	3/4	1.21	4000	16000	4.7	1	21.80
12EFG4K X50FT	4651-1432	3/4	1.21	4000	16000	4.7	1	50.00
12EFG4KXCTN	4651-1282	3/4	1.21	4000	16000	4.7	100	.86
12EFG4KXLL	4651-1385	3/4	1.21	4000	16000	4.7	200	.86
16EFG4K X25FT	4651-4012	1	1.50	4000	16000	6.0	1	35.30
16EFG4K X50FT	4651-1433	1	1.50	4000	16000	6.0	1	69.00
16EFG4K X100FT	4651-1460	1	1.50	4000	16000	6.0	100	1.34
16EFG4KXCTN	4651-1283	1	1.50	4000	16000	6.0	100	1.26
16EFG4KXLL	4651-1386	1	1.50	4000	16000	6.0	200	1.26
20EFG4K X25FT	4651-4013	1 1/4	1.85	4000	16000	8.2	1	52.00
20EFG4K X50FT	4651-1520	1 1/4	1.85	4000	16000	8.2	1	98.00
20EFG4KXCTN	4651-1284	1 1/4	1.85	4000	16000	8.2	50	1.90
20EFG4KXLL	4651-1387	1 1/4	1.85	4000	16000	8.2	200	1.91
48EFG4K X CRATE*	4651-1818	3	3.86	4000	16000	35.0	200	10.00

\*Crimped assemblies available from Gates.

## EFG4K Spiral Wire Hose - SAE 100R12 - MegaTuff® Cover Extremely High Pressure

For Biodegradable Hydraulic Fluids  
Meets Flame Resistance Acceptance Designation "MSHA 2G"

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12 and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)  
Stainless Steel "S" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
6EFG4K-MTF X25FT	4651-4014	3/8	.80	4000	16000	2.5	1	13.40
6EFG4K-MTFXCTN	4651-1610	3/8	.80	4000	16000	2.5	100	.49
8EFG4K-MTF X25FT	4651-4015	1/2	.94	4000	16000	3.5	1	16.00
8EFG4K-MTFXCTN	4651-1607	1/2	.94	4000	16000	3.5	100	.60
10EFG4K-MTF X25FT	4651-4016	5/8	1.09	4000	16000	4.0	1	20.00
10EFG4K-MTFXCTN	4651-1404	5/8	1.09	4000	16000	4.0	100	.70
12EFG4K-MTF X25FT	4651-4017	3/4	1.21	4000	16000	4.7	1	23.40
12EFG4K-MTFXCTN	4651-1405	3/4	1.21	4000	16000	4.7	100	.88
12EFG4K-MTFXLL	4651-1388	3/4	1.21	4000	16000	4.7	200	.88
16EFG4K-MTF X25FT	4651-4018	1	1.50	4000	16000	6.0	1	40.00
16EFG4K-MTFXCTN	4651-1406	1	1.50	4000	16000	6.0	100	1.30
16EFG4K-MTFXLL	4651-1389	1	1.50	4000	16000	6.0	200	1.30
20EFG4K-MTF X25FT	4651-4019	1 1/4	1.85	4000	16000	8.2	1	50.70
20EFG4K-MTFXCTN	4651-1602	1 1/4	1.85	4000	16000	8.2	50	2.15
20EFG4K-MTFXLL	4651-1638	1 1/4	1.85	4000	16000	8.2	200	2.00

## EFG4KL Low Temp Spiral Wire Hose Extremely High Pressure

**Recommended For:** Extremely high-pressure hydraulic applications in low temperature environments. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluid.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high tensile wire.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline.

**Temperature Range:** -70°F to +212°F (-57°C to +100°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)



Description	Product No.						Standard Pack	Weight (Lbs.)
12EFG4KLXCTN	4651-0023	3/4	1.24	4000	16000	4.8	100	.86
16EFG4KLXCTN	4651-0024	1	1.53	4000	16000	6.0	100	1.27
20 EFG4KL X CTN	4651-0075	1	1.85	4000	16000	8.3	50	1.91

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## EFG3K Spiral Wire Hose - SAE 100R12

### Extremely High Pressure

#### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

For Biodegradable Hydraulic Fluids  
Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all requirements for ISO 18752 Grade D, SAE 100R12, EN 856 R12, and performance requirements of EN 856 4SP, and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline. Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-20) (Section E)  
GlobalSpiral™ Couplings (-6 through -20) (Section E)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
Stainless Steel "S" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
20EFG3K X25FT	4651-4003	1 1/4	1.85	3000	12000	8.2	1	48.85
20EFG3K X50FT	4651-1434	1 1/4	1.85	3000	12000	8.2	1	106.00
20EFG3KXCTN	4651-1381	1 1/4	1.85	3000	12000	8.2	100	1.97
20EFG3KXLL	4651-1384	1 1/4	1.85	3000	12000	8.2	200	1.97
24EFG3K X25FT	4651-1740	1 1/2	2.11	3000	12000	10.0	1	56.25
24EFG3KXCTN	4651-1451	1 1/2	2.11	3000	12000	10.0	50	2.25
24EFG3KXLL	4651-2207	1 1/2	2.11	3000	12000	10.0	200	2.10
32EFG3K X 50INC	4651-2209	2	2.63	3000	12000	12.5	200	3.00
32EFG3K X25FT	4651-1744	2	2.63	3000	12000	12.5	1	77.25
32EFG3KXCTN	4651-1452	2	2.63	3000	12000	12.5	50	3.09
32EFG3KXLL	4651-2210	2	2.63	3000	12000	12.5	200	2.97

## EFG3K Spiral Wire Hose - SAE 100R12 - MegaTuff® Cover

### Extremely High Pressure

For Biodegradable Hydraulic Fluids  
Meets Flame Resistance Acceptance Designation "MSHA 2G"

**MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.**

**Recommended For:** Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12, performance requirements of EN 856 4SP, and ISO 3862 Type R12. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Four alternating layers of spiraled, high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**






GlobalSpiral™ Couplings (-20) (Section E)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
Stainless Steel "S" and "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
20EFG3K-MTF X25FT	4651-4004	1 1/4	2.11	3000	12000	8.2	1	48.28
20EFG3K-MTFXCTN	4651-1425	1 1/4	2.11	3000	12000	8.2	100	2.00
20EFG3K-MTFXLL	4651-1427	1 1/4	2.11	3000	12000	8.2	200	1.90

## EFG3K Spiral Wire Hose - SAE 100R12 - MegaTuff® Cover Extremely High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
24EFG3K-MTF X25FT	4651-1741	1 1/2	2.11	3000	12000	10.0	1	56.00
24EFG3K-MTFXCTN	4651-2201	1 1/2	2.11	3000	12000	10.0	50	2.27
24EFG3K-MTFXLL	4651-2202	1 1/2	2.11	3000	12000	10.0	200	2.24
32EFG3K-MTF X25FT	4651-1745	2	2.63	3000	12000	25.0	1	74.00
32EFG3K-MTFXCTN	4651-2205	2	2.63	3000	12000	25.0	50	2.99
32EFG3K-MTFXLL	4651-2206	2	2.63	3000	12000	25.0	200	2.96

## Hot Oiler 2-Wire Braid Hose High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Static pressure, hot oiler applications. Designed specifically to handle the transfer of hot oil at 275°F continuous, 300°F intermittent to clear the paraffin around the casing to help start the flow of oil to the surface.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (CSM - Type M).

**Temperature Range:** -40°F to +300°F (-40°C to +149°C).

**Coupling Recommendation (See [gates.com/ecrimp](https://www.gates.com/ecrimp) or Crimp Data Manual 35019)**

Field Attachable Type T Couplings (Section O)

GlobalSpiral™ Plus Couplings (Section E)



Description	Product No.						Standard Pack	Weight (Lbs.)
24HOXCTN	4657-0063	1 1/2	2.15	2300	6900	20.0	120	1.60

## Hot Oiler 2-Wire Braid Hose - MegaTuff® Cover High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Static pressure, hot oiler applications. Designed specifically to handle the transfer of hot oil at 275°F continuous, 300°F intermittent to clear the paraffin around the casing to help start the flow of oil to the surface.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover.






**Temperature Range:** -40°F to +300°F (-40°C to +149°C).

**Coupling Recommendation (See [gates.com/ecrimp](https://www.gates.com/ecrimp) or Crimp Data Manual 35019)**

Field Attachable Type T Couplings (Section O)

GlobalSpiral™ Plus Couplings (Section E)



Description	Product No.						Standard Pack	Weight (Lbs.)
24HO-MTFXCTN	4657-4463	1 1/2	2.15	2300	6900	20.0	120	1.60

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## M-XP™ Million Impulse Xtra Performance Wire Braid Hose High Pressure

### HOSE

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure, high impulse life hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.






**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Nitrile/PVC - Type C2 -4 and -6), (Polychloroprene Type A -8 through -12). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -12) (Section E)  
MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M-XPXREEL	4657-4216	1/4	.55	4000	16000	2.0	440	.20
6M-XPXREEL	4657-4217	3/8	.70	4000	16000	2.5	330	.30
8M-XPXREEL	4657-4218	1/2	.82	4000	16000	3.5	220	.36
10M-XPXREEL	4657-4219	5/8	.96	4000	16000	4.0	220	.51
12M-XPXREEL	4657-4220	3/4	1.17	4000	16000	4.7	220	.70

## Global M6K Mega6000™ Hose High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Nitrile/PVC - Type C2), with color coded layline. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (Section G)  
Stainless Steel "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M6KXREEL	4657-2697	1/4	.58	6000	24000	2.0	440	.26

## Global M5K Mega5000™ Hose High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure hydraulic applications exceeds ISO 18752 Grade B. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Nitrile/PVC - Type C2) (4, 5, 6), Polychloroprene - Type A (8) with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -8) (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M5K X50FT	4657-4122	1/4	.55	5000	20000	2.0	1	10.40
4M5KXREEL	4657-1100	1/4	.55	5000	20000	2.0	440	.21
5M5KXREEL	4657-8006	5/16	.61	5000	20000	2.2	350	.25
6M5K X50FT	4657-4121	3/8	.70	5000	20000	2.5	1	14.00
6M5KXREEL	4657-2695	3/8	.70	5000	20000	2.5	330	.30
8M5K X50FT	4657-4123	1/2	.86	5000	20000	3.5	1	21.00
8M5KXREEL	4657-2650	1/2	.86	5000	20000	3.5	220	.47

## Global M5K Mega5000™ Hose - MegaTuff® Cover High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure hydraulic applications exceeds ISO 18752 Grade B. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -8) (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M5K-MTFXREEL	4657-8011	1/4	.55	5000	20000	2.0	440	.20
5M5K-MTFXREEL	4657-8012	5/16	.61	5000	20000	2.2	350	.24
6M5K-MTFXREEL	4657-8013	3/8	.70	5000	20000	2.5	330	.30
8M5K-MTFXREEL	4657-8014	1/2	.86	5000	20000	3.5	220	.54

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Global M5K Mega5000™ Hose - XtraTuff™ Cover High Pressure

### HOSE

#### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure hydraulic applications exceeds ISO 18752 Grade B. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -8) (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "B" Couplings (Section H)



Description	Product No.	⊖	⊕	⌚	⌚	R	Standard Pack	Weight (Lbs.)
4M5K-XTFXREEL	4657-8007	1/4	.55	5000	20000	2.0	440	.21
5M5K-XTFXREEL	4657-8008	5/16	.61	5000	20000	2.2	375	.24
6M5K-XTFXREEL	4657-8009	3/8	.70	5000	20000	2.5	330	.29
8M5K-XTFXREEL	4657-8010	1/2	.86	5000	20000	3.5	220	.46

## Global M4K Mega4000™ Hose - SAE 100R19 High Pressure

#### Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19

**Recommended For:** High-pressure hydraulic applications. Exceeds ISO 18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (-4 through -12) (Section G)

Stainless Steel "B" Couplings (-4 through -8) (Section H)






Stainless Steel "S" Couplings (-10 and -16) (Section H)



Description	Product No.	⊖	⊕	⌚	⌚	R	Standard Pack	Weight (Lbs.)
4M4K X50FT	4657-1238	1/4	.55	4000	16000	1.5	1	10.73
4M4KXBALE	4657-5779	1/4	.55	4000	16000	1.5	5600	.22
4M4KXREEL	4657-1467	1/4	.55	4000	16000	1.5	440	.22
5M4KXREEL	4657-8015	5/16	.61	4000	16000	1.8	350	.25
6M4K X50FT	4657-4867	3/8	.70	4000	16000	2.0	1	15.59
6M4KXBALE	4657-5775	3/8	.70	4000	16000	2.0	3800	.31
6M4KXREEL	4657-1458	3/8	.70	4000	16000	2.0	330	.31
8M4K X50FT	4657-4868	1/2	.82	4000	16000	2.8	1	23.63
8M4KXBALE	4657-5776	1/2	.82	4000	16000	2.8	2200	.42
8M4KXREEL	4657-1459	1/2	.82	4000	16000	2.8	220	.42
10M4K X50FT	4657-4869	5/8	.99	4000	16000	3.0	1	26.70
10M4KXBALE	4657-5777	5/8	.99	4000	16000	3.0	1750	.53
10M4KXREEL	4657-1460	5/8	.99	4000	16000	3.0	220	.53
12M4K X50FT	4657-4870	3/4	1.17	4000	16000	3.8	1	33.80

## Global M4K Mega4000™ Hose - SAE 100R19 High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
12M4KXBALE	4657-5778	3/4	1.17	4000	16000	3.8	1250	.68
12M4KXREEL	4657-1461	3/4	1.17	4000	16000	3.8	220	.67
16M4KXREEL	4657-4051	1	1.52	4000	16000	4.5	165	1.21

## Global M4K Mega4000™ Hose - SAE 100R19 - MegaTuff® Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19  
MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Exceeds ISO 18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**






GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (-4 through -12) (Section G)

Stainless Steel "B" Couplings (-4 through -8) (Section H)

Stainless Steel "S" Couplings (-10 and -16) (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4K-MTF X50FT	4657-1239	1/4	.55	4000	16000	1.5	1	10.74
4M4K-MTFXREEL	4657-1477	1/4	.55	4000	16000	1.5	350	.22
5M4K-MTFXREEL	4657-8017	5/16	.61	4000	16000	1.8	350	.23
6M4K-MTF X50FT	4657-4020	3/8	.70	4000	16000	2.0	1	15.40
6M4K-MTFXREEL	4657-1479	3/8	.70	4000	16000	2.0	330	.31
8M4K-MTF X50FT	4657-4021	1/2	.82	4000	16000	2.8	1	23.67
8M4K-MTFXBALE	4657-5016	1/2	.82	4000	16000	2.8	3200	.44
8M4K-MTFXREEL	4657-1480	1/2	.82	4000	16000	2.8	220	.44
10M4K-MTF X50FT	4657-4022	5/8	.99	4000	16000	3.0	1	26.83
10M4K-MTFXREEL	4657-1481	5/8	.99	4000	16000	3.0	220	.54
12M4K-MTF X50FT	4657-4024	3/4	1.17	4000	16000	3.8	1	33.90
12M4K-MTFXREEL	4657-1482	3/4	1.17	4000	16000	3.8	190	.68
16M4K-MTFXREEL	4657-4053	1	1.52	4000	16000	4.5	165	1.21

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Global M4K Mega4000™ Hose - SAE 100R19 - XtraTuff™ Cover High Pressure

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19

XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications. Exceeds ISO 18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (-4 through -12) (Section G)

Stainless Steel "B" Couplings (-4 through -8) (Section H)

Stainless Steel "S" Couplings (-10 and -16) (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4K-XTF X50FT	4657-2616	1/4	.55	4000	16000	1.5	1	10.75
4M4K-XTFXREEL	4657-2281	1/4	.55	4000	16000	1.5	440	.22
5M4K-XTFXREEL	4657-8016	5/16	.61	4000	16000	1.8	350	.25
6M4K-XTF X50FT	4657-2615	3/8	.70	4000	16000	2.0	1	15.39
6M4K-XTFXREEL	4657-2283	3/8	.70	4000	16000	2.0	330	.31
8M4K-XTF X50FT	4657-2614	1/2	.82	4000	16000	2.8	1	18.38
8M4K-XTFXREEL	4657-2284	1/2	.82	4000	16000	2.8	220	.37
10M4K-XTFXREEL	4657-2285	5/8	.99	4000	16000	3.0	220	.54
12M4K-XTFXREEL	4657-2286	3/4	1.17	4000	16000	3.8	220	.68
16M4K-XTFXREEL	4657-4052	1	1.52	4000	16000	4.5	165	1.18

## M4KH Wire Braid Hose - High-Temp - SAE 100R19 High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19

**Recommended For:** High-pressure hydraulic applications at elevated temperatures. Exceeds ISO 18752 Grade C, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline. Also available in MegaTuff® cover.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -12) (Section E)

MegaCrimp® Couplings (Section G)








Description	Product No.						Standard Pack	Weight (Lbs.)
4M4KH X50FT	4657-4098	1/4	.55	4000	16000	2.0	1	10.80
4M4KHREEL	4657-2381	1/4	.55	4000	16000	2.0	440	.22
6M4KH X50FT	4657-4099	3/8	.70	4000	16000	2.5	1	15.40
6M4KHREEL	4657-2383	3/8	.70	4000	16000	2.5	330	.31
8M4KH X50FT	4657-4100	1/2	.82	4000	16000	3.5	1	18.40
8M4KHREEL	4657-2384	1/2	.82	4000	16000	3.5	220	.38
10M4KH X50FT	4657-4101	5/8	.99	4000	16000	4.0	1	27.00



## M4KH Wire Braid Hose - High-Temp - SAE 100R19 High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
10M4KHREEL	4657-2385	5/8	.99	4000	16000	4.0	220	.55
12M4KH X50FT	4657-2619	3/4	1.17	4000	16000	4.7	1	36.16
12M4KHREEL	4657-2386	3/4	1.17	4000	16000	4.7	220	.73

## M4KH Wire Braid Hose - High-Temp - SAE 100R19 - MegaTuff® Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19  
MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic applications at elevated temperatures. Exceeds ISO 18752 Grade C, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.






**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard cover.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -12) (Section E)  
MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4KH-MTF X50FT	4657-4093	1/4	.55	4000	16000	2.0	1	11.00
4M4KH-MTFXREEL	4657-2157	1/4	.55	4000	16000	2.0	440	.22
6M4KH-MTF X50FT	4657-4094	3/8	.70	4000	16000	2.5	1	14.60
6M4KH-MTFXREEL	4657-2159	3/8	.70	4000	16000	2.5	330	.31
8M4KH-MTF X50FT	4657-4095	1/2	.82	4000	16000	3.5	1	18.00
8M4KH-MTFXREEL	4657-2160	1/2	.82	4000	16000	3.5	220	.37
10M4KH-MTF X50FT	4657-4096	5/8	.99	4000	16000	4.0	1	30.40
10M4KH-MTFXREEL	4657-2161	5/8	.99	4000	16000	4.0	220	.54
12M4KH-MTF X50FT	4657-4097	3/4	1.17	4000	16000	4.7	1	35.00
12M4KH-MTFXREEL	4657-2396	3/4	1.17	4000	16000	4.7	190	.75

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Global M4KL Mega4000™ PolarFlex® Hose - SAE 100R19 High Pressure

### HOSE

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure hydraulic applications in low temperature environments. Exceeds SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**Tube:** Black, oil resistant, Nitrile (Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant synthetic rubber (Polychloroprene - Type A) with color coded layline.

**Temperature Range:** -70°F to +212°F (-57°C to +100°C).

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-16) (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "S" and "B" Couplings (Section H)



Description	Product No.	⌀	⌀	⌀	⌀	R	Standard Pack	Weight (Lbs.)
4M4KLXREEL	4657-4470	1/4	.54	4000	16000	2.0	440	.22
5M4KLXREEL	4657-4471	5/16	.60	4000	16000	2.3	350	.23
6M4KLXREEL	4657-4472	3/8	.69	4000	16000	2.5	330	.29
8M4KLXREEL	4657-4473	1/2	.82	4000	16000	3.5	220	.36
10M4KLXREEL	4657-4474	5/8	.98	4000	16000	4.0	220	.49
12M4KLXREEL	4657-4475	3/4	1.16	4000	16000	6.0	220	.70
16M4KLXREEL	4657-4476	1	1.52	4000	16000	6.0	165	1.20

## Global M3K Mega3000® Hose - SAE 100R17 High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R17

**Recommended For:** High-pressure hydraulic oil lines. Exceeds ISO 18752 Grade B, SAE 100R17 and ISO11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Nitrile/PVC - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (Section G)

Power Crimp® Couplings (-3 only) (Section I)






Stainless Steel "B" Couplings (Section H)



Description	Product No.	⌀	⌀	⌀	⌀	R	Standard Pack	Weight (Lbs.)
3M3KXREEL	4657-8068	3/16	.43	3250	13000	1.3	440	.10
4M3K X50FT	4657-4874	1/4	.48	3250	13000	1.5	1	5.66
4M3KXBALE	4657-5743	1/4	.48	3250	13000	1.5	6000	.12
4M3KXLG REEL	4657-1176	1/4	.48	3250	13000	1.5	1400	.12
4M3KXREEL	4657-1157	1/4	.48	3250	13000	1.5	440	.12
5M3K X50FT	4657-2502	5/16	.60	3250	13000	1.8	1	9.49
5M3KXREEL	4657-2216	5/16	.60	3250	13000	1.8	385	.19
6M3K X50FT	4657-4875	3/8	.63	3250	13000	2.0	1	10.09
6M3KXBALE	4657-5744	3/8	.63	3250	13000	2.0	4500	.20
6M3KXLG REEL	4657-1177	3/8	.63	3250	13000	2.0	1000	.20

## Global M3K Mega3000® Hose - SAE 100R17 High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
6M3KXREEL	4657-1158	3/8	.63	3250	13000	2.0	330	.20
8M3K X50FT	4657-4876	1/2	.80	3250	13000	2.8	1	14.32
8M3KXBALE	4657-5745	1/2	.80	3250	13000	2.8	2800	.30
8M3KXLG REEL	4657-1178	1/2	.80	3250	13000	2.8	1000	.28
8M3KXREEL	4657-1159	1/2	.80	3250	13000	2.8	220	.28
10M3K X50FT	4657-4877	5/8	.99	3250	13000	3.0	1	26.96
10M3KXBALE	4657-5746	5/8	.99	3250	13000	3.0	1800	.54
10M3KXLG REEL	4657-0233	5/8	.99	3250	13000	3.0	800	.54
10M3KXREEL	4657-1173	5/8	.99	3250	13000	3.0	220	.45
12M3K X50FT	4657-4878	3/4	1.15	3250	13000	3.8	1	33.16
12M3KXBALE	4657-5747	3/4	1.15	3250	13000	3.8	1250	.66
12M3KXREEL	4657-0679	3/4	1.15	3250	13000	3.8	220	.66
16M3K X50FT	4657-4879	1	1.48	3250	13000	4.5	1	51.78
16M3KXBALE	4657-5748	1	1.48	3250	13000	4.5	700	1.04
16M3KXREEL	4657-1163	1	1.48	3250	13000	4.5	165	1.04

## Global M3K Mega3000® Hose - SAE 100R17 - MegaTuff® Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R17  
MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds ISO 18752 Grade B, SAE 100R17 and ISO11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.






**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M3K-MTF X50FT	4657-4025	1/4	.48	3250	13000	1.5	1	6.45
4M3K-MTFXBALE	4657-5769	1/4	.48	3250	13000	1.5	5600	.12
4M3K-MTFXLG REEL	4657-1180	1/4	.48	3250	13000	1.5	1400	.12
4M3K-MTFXREEL	4657-1181	1/4	.48	3250	13000	1.5	440	.12
6M3K-MTF X50FT	4657-4026	3/8	.63	3250	13000	2.0	1	10.37
6M3K-MTFXBALE	4657-5770	3/8	.63	3250	13000	2.0	3800	.21
6M3K-MTFXLG REEL	4657-1192	3/8	.63	3250	13000	2.0	1000	.21
6M3K-MTFXREEL	4657-1182	3/8	.63	3250	13000	2.0	330	.21
8M3K-MTF X50FT	4657-4027	1/2	.80	3250	13000	2.8	1	14.73
8M3K-MTFXBALE	4657-5771	1/2	.80	3250	13000	2.8	2500	.30
8M3K-MTFXLG REEL	4657-1193	1/2	.80	3250	13000	2.8	1000	.30
8M3K-MTFXREEL	4657-1183	1/2	.80	3250	13000	2.8	330	.30
10M3K-MTF X50FT	4657-4028	5/8	.99	3250	13000	3.0	1	27.17
10M3K-MTFXBALE	4657-5772	5/8	.99	3250	13000	3.0	2500	.54
10M3K-MTFXREEL	4657-1184	5/8	.99	3250	13000	3.0	220	.54
12M3K-MTF X50FT	4657-4029	3/4	1.15	3250	13000	3.8	1	33.55

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Global M3K Mega3000® Hose - SAE 100R17 - MegaTuff® Cover High Pressure

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	12M3K-MTFXREEL	4657-1185	3/4	1.15	3250	13000	3.8	220	.67
	16M3K-MTF X50FT	4657-4030	1	1.48	3250	13000	4.8	1	53.18
G8K COUPLINGS	16M3K-MTFXBALE	4657-5774	1	1.48	3250	13000	4.8	800	1.06
GLOBAL SPIRAL COUPLINGS	16M3K-MTFXREEL	4657-1186	1	1.48	3250	13000	4.8	165	1.06

## Global M3K Mega3000® Hose - SAE 100R17 - XtraTuff™ Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R17  
XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds ISO 18752 Grade B, SAE 100R17 and ISO11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3K hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation** (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)






GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (Section G)

Power Crimp® Couplings (-3 only) (Section I)

Stainless Steel "B" Couplings (Section H)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
	3M3K-XTFXREEL	4657-8069	3/16	.43	3250	13000	1.3	440	.11
	4M3K-XTFXBALE	4657-2434	1/4	.48	3250	13000	1.5	5600	.13
	4M3K-XTFXREEL	4657-1097	1/4	.48	3250	13000	1.5	440	.13
	5M3K-XTFXBALE	4657-2628	5/16	.60	3250	13000	1.8	4400	.19
	6M3K-XTFXBALE	4657-2627	3/8	.63	3250	13000	2.0	4800	.20
	6M3K-XTFXREEL	4657-1098	3/8	.63	3250	13000	2.0	330	.20
	8M3K-XTFXBALE	4657-1099	1/2	.80	3250	13000	2.8	2500	.30
	8M3K-XTFXREEL	4657-2248	1/2	.80	3250	13000	2.8	220	.30
	10M3K-XTFXREEL	4657-2249	5/8	.99	3250	13000	3.0	220	.54
	12M3K-XTFXREEL	4657-2250	3/4	1.15	3250	13000	3.8	220	.64
	16M3K-XTFXREEL	4657-2307	1	1.48	3250	13000	4.5	165	1.04

## M3KH Wire Braid Hose - High-Temp - SAE 100R17 High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R17

**Recommended For:** Elevated temperature high-pressure hydraulic oil lines. Exceeds ISO 18752 Grade C, SAE 100R17 and ISO 11237 R17 requirements and performance requirements of EN 857 1SC. M3KH hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -5, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Polychloroprene - Type A), with color coded layline. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (Section G)



Description	Product No.								Standard Pack	Weight (Lbs.)
4M3KHREEL	4657-2664	1/4	.48	3250	13000	2.0	440	.13		
5M3KHREEL	4657-4055	5/16	.60	3250	13000	2.2	330	.19		
6M3KHREEL	4657-2696	3/8	.65	3250	13000	2.5	330	.21		
8M3KHREEL	4657-1360	1/2	.80	3250	13000	3.5	220	.31		
10M3KHREEL	4657-1361	5/8	.99	3250	13000	4.0	220	.55		
12M3KHREEL	4657-1362	3/4	1.15	3250	13000	4.8	220	.65		
16M3KHREEL	4657-1363	1	1.48	3250	13000	6.0	165	.94		

## M3KH Wire Braid Hose - High-Temp - SAE 100R17 - MegaTuff® Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R17

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Elevated temperature high-pressure hydraulic oil lines. Exceeds ISO 18752 Grade C, SAE 100R17 and ISO 11237 R17 working pressure, minimum bend radius requirements and performance requirements of EN 857 1SC. M3KH hose has smaller exterior dimensions and significantly tighter bend radius than other SAE 100R1 and 100R2 hose.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Braided, high-tensile steel wire. -4, -6 and -8 sizes are one braid; -10, -12 and -16 sizes are two braid.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)

MegaCrimp® Couplings (Section G)



Description	Product No.								Standard Pack	Weight (Lbs.)
4M3KH-MTFXREEL	4657-2321	1/4	.48	3250	13000	2.0	440	.13		
6M3KH-MTFXREEL	4657-2323	3/8	.63	3250	13000	2.5	330	.21		
8M3KH-MTFXREEL	4657-2324	1/2	.80	3250	13000	3.5	330	.33		
10M3KH-MTFXREEL	4657-2325	5/8	.99	3250	13000	4.0	220	.51		
12M3KH-MTFXREEL	4657-2326	3/4	1.15	3250	13000	4.8	220	.63		
16M3KH-MTFXREEL	4657-2327	1	1.48	3250	13000	6.0	165	1.04		

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## IA3K-Wire Braid Hose - SAE 100R17

Industry Specified Performance Hose

### HOSE

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Medium pressure hydraulics with low flexure/non-severe applications requiring the SAE 100R17 or ISO 18752 Class 210 Grade A specification for dimensions and performance.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile-Type C).






**Reinforcement:** Braided, high-tensile steel wire. -4, -6 and -8 sizes are one braid; -12 is two braid.

**Cover:** Black, abrasion resistant, synthetic rubber (Modified SBR).

**Temperature Range:** -40°F to +212°F (-40°C to +100°C)

**Coupling Recommendation:** MegaCrimp® (-4 to -16)



Description	Product No.						Standard Pack	Weight (Lbs.)
4IA3KXREEL	4657-4640	1/4	.47	3000	12000	2	440	.12
4IA3KXBALE	4657-4641	1/4	.47	3000	12000	2	3500	.12
6IA3KXREEL	4657-4519	3/8	.63	3000	12000	2.5	330	.19
6IA3KXBALE	4657-4520	3/8	.63	3000	12000	2.5	2250	.19
8IA3KXREEL	4657-4642	1/2	.76	3000	12000	3.5	220	.28
8IA3KXBALE	4657-4643	1/2	.76	3000	12000	3.5	1400	.28
12IA3KXREEL	4657-4644	3/4	1.1	3000	12000	4.8	220	.51
12IA3KXBALE	4657-4645	3/4	1.1	3000	12000	4.8	625	.51

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## M2T® MegaFlex® 2-Wire Braid Hose - SAE 100R16 High Pressure

### HOSE

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 2SC R16

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16, SAE 100R2, ISO11237 2SC R16 and ISO 1436 2SN R2 requirements and performance requirements of EN 857 2SC and EN 853 2SN. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -20) (Section E)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
MegaCrimp® Couplings (-4 through -20) (Section G)  
Stainless Steel "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M2T X50FT	4657-1553	1/4	.56	6000	24000	1.5	1	10.80
4M2TX150REEL	4657-4422	1/4	.56	6000	24000	1.5	150	.23
4M2TXBALE	4657-5728	1/4	.56	6000	24000	1.5	5600	.22
4M2TXREEL	4657-1552	1/4	.56	6000	24000	1.5	550	.21
6M2T X50FT	4657-1550	3/8	.70	5000	20000	2.0	1	15.19
6M2TX100REEL	4657-4607	3/8	.70	5000	20000	2.0	100	.28
6M2TXBALE	4657-5729	3/8	.69	5000	20000	2.0	3000	.31
6M2TXLRG REEL	4657-1492	3/8	.70	5000	20000	2.0	1500	.30
6M2TXREEL	4657-1555	3/8	.70	5000	20000	2.0	385	.30
8M2T X50FT	4657-1561	1/2	.82	4300	17200	2.8	1	17.50
8M2TX100REEL	4657-4608	1/2	.82	4300	17200	2.8	100	.33
8M2TXBALE	4657-5730	1/2	.82	4300	17200	2.8	2500	.37
8M2TXLRG REEL	4657-1493	1/2	.82	4300	17200	2.8	1000	.37
8M2TXREEL	4657-1559	1/2	.82	4300	17200	2.8	330	.37
10M2T X50FT	4657-1564	5/8	.95	3800	15200	3.0	1	22.06
10M2TXBALE	4657-5577	5/8	.95	3800	15200	3.0	1750	.45
10M2TXREEL	4657-1563	5/8	.95	3800	15200	3.0	220	.45
12M2T X50FT	4657-1568	3/4	1.11	3500	14000	3.8	1	26.95
12M2TX50REEL	4657-4609	3/4	1.11	3500	14000	3.8	50	.51
12M2TXBALE	4657-5732	3/4	1.11	3500	14000	3.8	1500	.54
12M2TXREEL	4657-1567	3/4	1.11	3500	14000	3.8	220	.54
16M2T X50FT	4657-1572	1	1.39	2500	10000	4.5	1	36.56
16M2TXREEL	4657-1571	1	1.39	2500	10000	4.5	165	.73
20M2T X25FT	4657-4540	1 1/4	1.67	2300	9200	8.3	1	22.25
20M2TXCTN	4657-4534	1 1/4	1.67	2300	9200	8.3	120	.89
24M2T X25FT	4657-4610	1 1/2	2.00	2000	8000	10.0	1	31.75
24M2T X50FT	4657-4541	1 1/2	2.00	2000	8000	10.0	1	85.00
24M2TXCTN	4657-4491	1 1/2	2.00	2000	8000	10.0	120	1.70
32M2T X25FT	4657-4611	2	2.53	1500	6000	12.5	1	46.25
32M2T X50FT	4657-4542	2	2.53	1500	6000	12.5	1	147.50
32M2TXCTN	4657-4492	2	2.53	1500	6000	12.5	120	2.95

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

## M2T® MegaFlex® 2-Wire Braid Hose - SAE 100R16 - MegaTuff® Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 2SC R16  
MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Ultra High abrasive high-pressure hydraulic oil lines. Exceeds SAE 100R16, SAE 100R2, ISO11237 2SC R16 and ISO 1436 2SN R2 working pressure, minimum bend radius requirements and performance requirements of EN 857 2SC and EN 853 2SN. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "B" Couplings (Section H)



Description	Product No.	1/4"	3/8"	1/2"	3/4"	1"	Standard Pack	Weight (Lbs.)
4M2T-MTF X50FT	4657-4034	1/4	.56	6000	24000	1.5	1	10.92
4M2T-MTFXBALE	4657-5764	1/4	.56	6000	24000	1.5	5600	.22
4M2T-MTFXREEL	4657-0222	1/4	.56	6000	24000	1.5	350	.22
6M2T-MTF X50FT	4657-4035	3/8	.70	5000	20000	2.0	1	15.63
6M2T-MTFXBALE	4657-5765	3/8	.70	5000	20000	2.0	2400	.31
6M2T-MTFXREEL	4657-0223	3/8	.70	5000	20000	2.0	330	.31
8M2T-MTF X50FT	4657-4036	1/2	.82	4300	17200	2.8	1	18.94
8M2T-MTFXBALE	4657-5766	1/2	.82	4300	17200	2.8	2200	.38
8M2T-MTFXREEL	4657-0224	1/2	.82	4300	17200	2.8	330	.38
10M2T-MTF X50FT	4657-4037	5/8	.95	3800	15200	3.0	1	67.75
10M2T-MTFXREEL	4657-0225	5/8	.95	3800	15200	3.0	220	.46
12M2T-MTF X50FT	4657-4038	3/4	1.11	3500	14000	3.8	1	27.71
12M2T-MTFXREEL	4657-0226	3/4	1.11	3500	14000	3.8	220	.55
16M2T-MTF X50FT	4657-4039	1	1.39	2500	10000	4.5	1	37.63
16M2T-MTFXREEL	4657-0227	1	1.39	2500	10000	4.5	165	.75

## M2T® MegaFlex® 2-Wire Braid Hose - SAE 100R16 - XtraTuff™ Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 2SC R16  
XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High-pressure hydraulic oil lines. Exceeds SAE 100R16, SAE 100R2, ISO11237 2SC R16 and ISO 1436 2SN R2 working pressure, minimum bend radius requirements and performance requirements of EN 857 2SC and EN 853 2SN. M2T hose has smaller exterior dimensions and significantly tighter bend radius.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "B" Couplings (Section H)



Description	Product No.	1/4"	3/8"	1/2"	3/4"	1"	Standard Pack	Weight (Lbs.)
4M2T-XTFXREEL	4657-4138	1/4	.56	6000	24000	1.5	350	.21
6M2T-XTFXREEL	4657-4302	3/8	.70	5000	20000	2.0	330	.31

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL






BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## M2T® MegaFlex® 2-Wire Braid Hose - SAE 100R16 - XtraTuff™ Cover High Pressure

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	8M2T-XTFXREEL	4657-4304	1/2	.82	4300	17200	2.8	330	.36
	10M2T-XTFXREEL	4657-4307	5/8	.95	3800	15200	3.0	220	.46
G8K COUPLINGS	12M2T-XTFXREEL	4657-4310	3/4	1.11	3500	14000	3.8	220	.57
GLOBAL SPIRAL COUPLINGS	16M2T-XTFXREEL	4657-4313	1	1.39	2500	10000	4.5	165	.77

## CM2TDL MegaFlex® Connected Dual-Line 2-Wire Braid - SAE 100R16 - XtraTuff™ Cover High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High abrasive high-pressure hydraulic oil lines joined together for easier plumbing and routing. Meets SAE 100R16 requirements. CM2T hose has smaller exterior dimensions and significantly tighter bend radius. Exceeds performance standards of EN 857 2SC and ISO/DIS 1436.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.





**Cover:** Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)  
MegaCrimp® Couplings (Section G)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
C14 COUPLINGS	6CM2TDL-XTF X50FT	4657-4980	3/8	.70	4800	19200	3.5	1	30.81
	6CM2TDL-XTFXCTN	4657-4974	3/8	.70	4800	19200	3.5	215	.58
PCTS THERMOPLASTIC COUPLINGS	8CM2TDL-XTF X50FT	4657-4981	1/2	.82	4000	16000	5.0	1	37.15
	8CM2TDL-XTFXCTN	4657-4975	1/2	.82	4000	16000	5.0	180	.72

## Global G2 2-Wire Braid Hose - SAE 100R2 Type S High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.






**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**






Field Attachable Type T Couplings (-4 through -24) (Section O)  
GlobalSpiral™ Couplings (-6 through -20) (Section E)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
MegaCrimp® Couplings (-4 through -20) (Section G)  
Power Crimp® Couplings (-3 only) (Section I)  
Stainless Steel "B" Couplings (Section H)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
EQUIPMENT AND PARTS	3G2 X50FT	4657-0029	3/16	.52	6025	24100	3.5	1	10.67
	3G2XREEL	4657-2182	3/16	.52	6025	24100	3.5	440	.21
	4G2 X50FT	4657-4941	1/4	.59	5800	23200	4.0	1	13.58

## Global G2 2-Wire Braid Hose - SAE 100R2 Type S High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
4G2X150REEL	4657-4421	1/4	.59	5800	23200	4.0	150	.23
4G2XBALE	4657-5708	1/4	.59	5800	23200	4.0	4000	.27
4G2XREEL	4657-0125	1/4	.59	5800	23200	4.0	550	.27
6G2 X50FT	4657-4916	3/8	.74	4800	19200	5.0	1	17.79
6G2 X100FT	4657-4906	3/8	.74	4800	19200	5.0	1	35.59
6G2XBALE	4657-5709	3/8	.74	4800	19200	5.0	3000	.36
6G2XREEL	4657-0126	3/8	.74	4800	19200	5.0	400	.35
8G2 X50FT	4657-4918	1/2	.86	4000	16000	7.0	1	20.80
8G2 X100FT	4657-4908	1/2	.86	4000	16000	7.0	1	44.28
8G2XBALE	4657-5710	1/2	.86	4000	16000	7.0	2250	.45
8G2XREEL	4657-0127	1/2	.86	4000	16000	7.0	330	.44
10G2 X50FT	4657-1965	5/8	.99	3625	14500	8.0	1	26.74
10G2XBALE	4657-5711	5/8	.99	3625	14500	8.0	1800	.54
10G2XREEL	4657-0132	5/8	.99	3625	14500	8.0	220	.54
12G2 X50FT	4657-4909	3/4	1.15	3100	12400	9.5	1	31.46
12G2 X50FT	4657-4943	3/4	1.15	3100	12400	9.5	1	31.46
12G2XBALE	4657-5712	3/4	1.15	3100	12400	9.5	1250	.63
12G2XREEL	4657-0128	3/4	1.15	3100	12400	9.5	220	.63
16G2 X50FT	4657-4945	1	1.48	2400	9600	12.0	1	48.18
16G2XBALE	4657-1094	1	1.48	2400	9600	12.0	700	.96
16G2XREEL	4657-0129	1	1.48	2400	9600	12.0	165	.96
20G2 X25FT	4657-0689	1 1/4	1.86	1825	7300	16.5	5	35.00
20G2XCTN	4657-0644	1 1/4	1.86	1825	7300	16.5	120	1.50
24G2 X25FT	4657-2507	1 1/2	2.11	1300	5200	20.0	1	44.34
24G2 X50FT	4657-2516	1 1/2	2.11	1300	5200	20.0	1	88.67
24G2XCTN	4657-2491	1 1/2	2.11	1300	5200	20.0	120	1.77
32G2 X25FT	4657-2508	2	2.62	1175	4700	25.0	1	56.30
32G2 X50FT	4657-2517	2	2.62	1175	4700	25.0	1	112.60
32G2XCTN	4657-2492	2	2.62	1175	4700	25.0	120	2.25

## G2XH 2-Wire Braid Xtreme® Heat Hose - SAE 100R2 Type S High Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Extremely High temperature high-pressure hydraulic applications where pressure or temperature requirements exceed SAE 100R2, ISO1436 2SN R2 and EN 853 2SN or where resistance to either petroleum-base or phosphate ester fluids is required. Meets SAE J1942 requirements.

**Tube:** Black, oil and chemical resistant, synthetic rubber (CPE - Type J).

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Blue, oil and abrasion resistant, thin synthetic rubber CSM - Type M.

**Temperature Range:** Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F. For water emulsions: Max. +225°F Pressure lines, Max +180°F Return lines.

### Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)

GlobalSpiral™ Couplings (-6 through -20) (Section E)

GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)

MegaCrimp® Couplings (-4 through -20) (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4G2XH X50FT	4657-4008	1/4	.59	6000	24000	4.0	1	13.00

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES






ACCESSORIES

EQUIPMENT AND  
PARTS



## G2XH 2-Wire Braid Xtreme® Heat Hose - SAE 100R2 Type S High Pressure

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	4G2XHXREEL	4657-2541	1/4	.59	6000	24000	4.0	550	.30
	6G2XH X50FT	4657-4009	3/8	.74	5000	20000	5.0	1	17.50
G8K COUPLINGS	6G2XHXREEL	4657-2542	3/8	.74	5000	20000	5.0	400	.39
	8G2XH X50FT	4657-4010	1/2	.86	4250	17000	7.0	1	22.60
GLOBALSPIRAL COUPLINGS	8G2XHXREEL	4657-2543	1/2	.86	4250	17000	7.0	330	.47
	10G2XH X50FT	4657-4011	5/8	.99	3625	14500	8.0	1	27.20
PCM / PCS FERRULES	10G2XHXREEL	4657-2544	5/8	.99	3625	14500	8.0	220	.56
	12G2XH X50FT	4657-4012	3/4	1.15	3100	12400	9.5	1	32.00
MEGACRIMP COUPLINGS	12G2XHXREEL	4657-2545	3/4	1.15	3100	12400	9.5	220	.68
	16G2XH X50FT	4657-4013	1	1.48	2500	10000	12.0	1	49.60
STAINLESS STEEL	16G2XHXREEL	4657-2546	1	1.48	2500	10000	12.0	165	1.02
	20G2XHXCTN	4657-4988	1 1/4	1.86	2250	9000	16.5	130	1.82
POWER CRIMP COUPLINGS	24G2XHXCTN	4657-4989	1 1/2	2.15	1800	7200	20.0	130	1.50
	32G2XHXCTN	4657-4990	2	2.65	1500	6000	25.0	130	2.12

## Global G2H High-Temp 2-Wire Braid Hose Type AT High Pressure

**Meets Flame Resistance Acceptance Designation "MSHA 2G"**

**Recommended For:** High temperature high-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.






**Cover:** Black, oil resistant, synthetic rubber (CSM - Type M). Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

Field Attachable Type T Couplings (-20 and -24) (Section O)  
GlobalSpiral™ Couplings (-20) (Section E)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
MegaCrimp® Couplings (-20) (Section G)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
SURELOK AIR BRAKE COUPLINGS	20G2H X50FT	4657-0925	1 1/4	1.86	1825	6500	16.5	1	75.75
	20G2HXCTN	4657-0930	1 1/4	1.86	1825	6500	16.5	120	1.52
ADAPTERS	24G2H X25FT	4657-4331	1 1/2	2.11	1300	5200	20.0	1	45.00
	24G2H X50FT	4657-0927	1 1/2	2.11	1300	5200	20.0	1	90.06
QUICK DISCONNECT COUPLERS	24G2HXCTN	4657-0931	1 1/2	2.11	1300	5200	20.0	120	1.80
	32G2H X25FT	4657-4332	2	2.62	1175	4700	25.0	1	57.25
LIVE SWIVEL	32G2H X50FT	4657-0926	2	2.62	1175	4700	25.0	1	114.29
	32G2HXCTN	4657-0932	2	2.62	1175	4700	25.0	120	2.29
BALL VALVES									
ACCESSORIES									
EQUIPMENT AND PARTS									

## Global G2H High-Temp - MegaTuff® Cover Type AT High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** High temperature high-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber and MegaTuff® cover. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**






Field Attachable Type T Couplings (-20 and -24) (Section O)

GlobalSpiral™ Couplings (-20) (Section E)

GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)

MegaCrimp® Couplings (-20) (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
20G2H-MTFXCTN	4657-2573	1 1/4	1.87	1825	6500	16.5	100	1.52
24G2H-MTFXCTN	4657-2151	1 1/2	2.15	1300	5200	20.0	100	1.60
32G2H-MTFXCTN	4657-2152	2	2.65	1175	4700	25.0	100	1.79

## Global G2L PolarFlex® Hose - SAE 100R2 Type S High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Low temperature high-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2, ISO1436 2SN R2 and EN 853 2SN. Qualified to Mil-DTL-13531 Type II Class B.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, thin synthetic rubber (Chloroprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** -70°F to +212°F (-57°C to +100°C). For water emulsions see Temperature Limits Table.






**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Field Attachable Type T Couplings (-4 through -24) (Section O)

GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)

MegaCrimp® Couplings (-4 through -20) (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4G2L X50FT	4657-2475	1/4	.59	5800	23200	4.0	1	12.93
4G2LXREEL	4657-2202	1/4	.59	5800	23200	4.0	440	.26
6G2L X50FT	4657-2476	3/8	.74	4800	19200	5.0	1	19.19
6G2LXREEL	4657-2203	3/8	.74	4800	19200	5.0	385	.38
8G2L X50FT	4657-2477	1/2	.86	4000	16000	7.0	1	22.84
8G2LXREEL	4657-2204	1/2	.86	4000	16000	7.0	330	.46
10G2L X50FT	4657-2478	5/8	.99	3625	14500	8.0	1	27.50
10G2LXREEL	4657-2205	5/8	.99	3625	14500	8.0	220	.55
12G2L X50FT	4657-2479	3/4	1.15	3100	12400	9.5	1	32.68
12G2LXREEL	4657-2206	3/4	1.15	3100	12400	9.5	220	.65
16G2L X50FT	4657-2480	1	1.48	2400	9600	12.0	1	49.06
16G2LXREEL	4657-2207	1	1.48	2400	9600	12.0	165	.98
20G2L X50FT	4657-4102	1 1/4	1.84	1825	7300	16.5	1	80.40
20G2LXCTN	4657-2208	1 1/4	1.84	1825	7300	16.5	120	1.20
24G2L X50FT	4657-4103	1 1/2	2.12	1300	5200	20.0	1	80.75
24G2LXCTN	4657-2315	1 1/2	2.12	1300	5200	20.0	120	1.50
32G2L X50FT	4657-4104	2	2.62	1175	4700	25.0	1	108.00

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL






BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Global G2L PolarFlex® Hose - SAE 100R2 Type S High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
32G2LXCTN	4657-2316	2	2.62	1175	4700	25.0	120	2.15

## J2AT 2-Wire Braid Jack Hose - 10,000 Static Pressure Only High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Hydraulic jack applications. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking systems. 10,000 Static Pressure Only

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.






**Cover:** Black, oil and abrasion resistant, synthetic rubber (Nitrile/PVC - Type C2). Also available with unique abrasion resistant MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +120°F (-40°C to +49°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Use MegaCrimp® Male Pipe Long Nose Couplings on jack end of assembly for engagement. (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4J2AT X50FT	4657-4880	1/4	.59	10000	20000	2.0	1	13.45
4J2ATXREEL	4657-1400	1/4	.59	10000	20000	2.0	350	.27
6J2AT X50FT	4657-4881	3/8	.74	10000	20000	2.5	1	19.25
6J2ATXREEL	4657-1404	3/8	.74	10000	20000	2.5	330	.38

## J2AT 2-Wire Braid Jack Hose - MegaTuff® Cover - 10,000 Static Pressure Only High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

**Recommended For:** Ultra High abrasive hydraulic jack applications. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking systems. 10,000 Static Pressure.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber and MegaTuff® cover. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +120°F (-40°C to +49°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Use MegaCrimp® Male Pipe Long Nose Couplings on jack end of assembly for engagement. (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4J2AT-MTFXREEL	4657-1188	1/4	.59	10000	20000	2.0	350	.27
6J2AT-MTFXREEL	4657-1189	3/8	.74	10000	20000	2.5	330	.39

## CR2 2-Wire Braid Hose - SAE 100R2

Industry Specified Performance Hose

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High pressure hydraulics with low flexure/non-severe applications requiring the SAE 100R2 or EN853 2SN specification for dimensions and performance.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile-Type C).






**Reinforcement:** Two braid of high-tensile steel wire.

**Cover:** Black, abrasion resistant, synthetic rubber (Modified SBR).

**Temperature Range:** -40°F to +212°F (-40°C to +100°C)

**Coupling Recommendation:** MegaCrimp® (-4 to -16)



Description	Product No.						Standard Pack	Weight (Lbs.)
4CR2XREEL	4657-8843	1/4	.57	5800	23200	4	550	.22
4CR2XBALE	4657-8844	1/4	.57	5800	23200	4	4000	.22
6CR2XREEL	4657-8845	3/8	.73	4800	19200	5	400	.38
6CR2XBALE	4657-8846	3/8	.73	4800	19200	5	3000	.38
8CR2XREEL	4657-8847	1/2	.85	4000	16000	7	330	.40
8CR2XBALE	4657-8848	1/2	.85	4000	16000	7	2250	.40
10CR2XREEL	4657-8849	5/8	.98	3625	14500	8	220	.47
10CR2XBALE	4657-8850	5/8	.98	3625	14500	8	1800	.47
12CR2XREEL	4657-8851	3/4	1.14	3125	12500	9.5	220	.58
12CR2XBALE	4657-8852	3/4	1.14	3125	12500	9.5	1250	.58
16CR2XREEL	4657-8853	1	1.46	2400	9600	11.8	165	.85
16CR2XBALE	4657-8854	1	1.46	2400	9600	11.8	700	.85

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## G1 1-Wire Braid Hose - SAE 100R1 Type S Medium Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Medium pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1, ISO 1436 1SNR1 and EN 853 1SN.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Nitrile/PVC - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Field Attachable Type T Couplings (Section O)

GlobalSpiral™ Couplings (-6 through -20) (Section E)

GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)

MegaCrimp® Couplings (-4 through -20) (Section G)

Power Crimp® Couplings (-3 only) (Section I)

Stainless Steel "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
3G1XBALE	4657-5700	3/16	.47	3625	14500	3.0	7600	.13
3G1XCTN	4657-0618	3/16	.47	3625	14500	3.0	800	.13
3G1XREEL	4657-0599	3/16	.47	3625	14500	3.0	440	.13
4G1 X50FT	4657-4940	1/4	.53	3275	13100	4.0	1	7.84
4G1XBALE	4657-5717	1/4	.53	3275	13100	4.0	5600	.16
4G1XREEL	4657-0120	1/4	.53	3275	13100	4.0	440	.16
5G1XCTN	4657-0031	5/16	.60	3125	12500	4.5	550	.18
5G1XREEL	4657-0116	5/16	.60	3125	12500	4.5	350	.18
6G1 X50FT	4657-4915	3/8	.68	2600	10400	5.0	1	11.83
6G1 X100FT	4657-4905	3/8	.68	2600	10400	5.0	1	23.35
6G1XBALE	4657-5703	3/8	.68	2600	10400	5.0	3800	.24
6G1XREEL	4657-0121	3/8	.68	2600	10400	5.0	385	.23
8G1 X50FT	4657-4917	1/2	.80	2325	9300	7.0	1	14.60
8G1 X100FT	4657-4907	1/2	.80	2325	9300	7.0	1	28.74
8G1XBALE	4657-5704	1/2	.80	2325	9300	7.0	2800	.29
8G1XLG REEL	4657-2645	1/2	.80	2325	9300	7.0	500	.29
8G1XREEL	4657-0122	1/2	.80	2325	9300	7.0	330	.29
10G1XBALE	4657-5705	5/8	.93	1900	7600	8.0	1550	.34
10G1XREEL	4657-0115	5/8	.93	1900	7600	8.0	220	.33
12G1 X50FT	4657-4942	3/4	1.09	1525	6100	9.0	1	21.07
12G1XBALE	4657-5706	3/4	1.09	1525	6100	9.0	1400	.43
12G1XREEL	4657-0123	3/4	1.09	1525	6100	9.0	220	.42
16G1 X50FT	4657-4944	1	1.40	1300	5200	12.0	1	31.20
16G1XBALE	4657-5707	1	1.40	1300	5200	12.0	700	.62
16G1XREEL	4657-0124	1	1.40	1300	5200	12.0	165	.62
20G1XBALE	4657-5702	1 1/4	1.71	925	3700	16.0	600	.85
20G1XCTN	4657-0646	1 1/4	1.71	925	3700	16.0	120	.85
24G1XCTN	4657-2489	1 1/2	1.96	725	2900	20.0	120	1.04
32G1XCTN	4657-2490	2	2.51	600	2400	25.0	120	1.48

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## CR1 1-Wire Braid Hose - SAE 100R1

Industry Specified Performance Hose

### HOSE

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Medium pressure hydraulics with low flexure/ non-severe requiring the SAE 100R1 or EN853 1SN specification for dimensions and performance.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile-Type C).

**Reinforcement:** Single braid of high-tensile steel wire.

**Cover:** Black, abrasion resistant, synthetic rubber (Modified SBR).

**Temperature Range:** -40°F to +212°F (-40°C to +100°C)

**Coupling Recommendation:** MegaCrimp® (-4 to -16)



Description	Product No.						Standard Pack	Weight (Lbs.)
4CR1XREEL	4657-8831	1/4	.52	3275	13100	4	440	.14
4CR1XBALE	4657-8832	1/4	.52	3275	13100	4	5600	.14
6CR1XREEL	4657-8833	3/8	.66	2600	10400	5	385	.23
6CR1XBALE	4657-8834	3/8	.66	2600	10400	5	3800	.23
8CR1XREEL	4657-8835	1/2	.78	2325	9300	7	330	.26
8CR1XBALE	4657-8836	1/2	.78	2325	9300	7	2800	.26
10CR1XREEL	4657-8837	5/8	.91	1900	7600	8	220	.29
10CR1XBALE	4657-8838	5/8	.91	1900	7600	8	1550	.29
12CR1XREEL	4657-8839	3/4	1.07	1525	6100	9.5	220	.37
12CR1XBALE	4657-8840	3/4	1.07	1525	6100	9.5	1400	.37
16CR1XREEL	4657-8841	1	1.38	1250	5000	11.8	165	.55
16CR1XBALE	4657-8842	1	1.38	1250	5000	11.8	700	.55

## G1H 1-Wire Braid Hose - High-Temp - SAE 100R1 Type AT Medium Pressure

### HOSE

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High temperature medium pressure hydraulic oil lines. Meets or exceeds requirements of SAE 100R1 Type AT.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (CSM - Type M).

**Temperature Range:** -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (Section E)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
MegaCrimp® Couplings (except -24 and -32) (Section G)  
Stainless Steel "B" Couplings (-24 and -32 only) (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4G1H X50FT	4657-4105	1/4	.53	2750	11000	4.0	1	8.00
4G1HXREEL	4657-2175	1/4	.53	2750	11000	4.0	440	.16
6G1H X50FT	4657-4106	3/8	.69	2250	9000	5.0	1	4.00
6G1HXREEL	4657-2176	3/8	.69	2250	9000	5.0	385	.25
8G1H X50FT	4657-4107	1/2	.80	2000	8000	7.0	1	14.20
8G1HXREEL	4657-2177	1/2	.80	2000	8000	7.0	330	.30
10G1H X50FT	4657-4108	5/8	.94	1500	6000	8.0	1	16.80
10G1HXREEL	4657-2178	5/8	.94	1500	6000	8.0	220	.36
12G1H X50FT	4657-2617	3/4	1.10	1250	5000	9.5	1	22.16
12G1HXBALE	4657-2536	3/4	1.10	1250	5000	9.5	1500	.44
12G1HXREEL	4657-2179	3/4	1.10	1250	5000	9.5	220	.44
16G1H X50FT	4657-4109	1	1.41	1000	4000	12.0	1	35.00
16G1HXREEL	4657-2180	1	1.41	1000	4000	12.0	165	.65
20G1H X50FT	4657-4110	1 1/4	1.71	925	3700	16.0	1	49.60
20G1HXCTN	4657-0940	1 1/4	1.71	925	3700	16.0	120	.93
24G1H X50FT	4657-4111	1 1/2	1.96	725	2900	20.0	1	55.00
24G1HXCTN	4657-0934	1 1/2	1.96	725	2900	20.0	120	1.06
32G1H X50FT	4657-4112	2	2.51	600	2400	25.0	1	75.00
32G1HXCTN	4657-0935	2	2.51	600	2400	25.0	120	1.50

## RFS Red Fire Suppressant Hose Medium Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Low-pressure powder fire suppressant applications in mining, forestry and fire fighting equipment. The red cover is for easy visual identification in these applications. Meets performance requirements of SAE 100R1.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Red, oil and abrasion resistant (Modified Nitrile - Type C2).

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**






MegaCrimp® Couplings (Section G)  
Power Crimp® Couplings (-3 only) (Section I)



Description	Product No.						Standard Pack	Weight (Lbs.)
3RFSXREEL	4657-2145	3/16	.45	3000	12000	3.0	440	.13
4RFSXREEL	4657-3314	1/4	.53	2750	11000	4.0	440	.17
6RFSXREEL	4657-3313	3/8	.68	2250	9000	5.0	300	.25
8RFSXREEL	4657-3315	1/2	.80	2000	8000	7.0	330	.30

## RFS Red Fire Suppressant Hose Medium Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
12RFSXREEL	4657-3316	3/4	1.09	1250	5000	9.5	300	.45
16RFSXREEL	4657-2155	1	1.41	1000	4000	12.0	165	.64

## MegaTech® II - SAE 100R2 Type AT - ACP High Pressure

**Recommended For:** Multi-purpose high-pressure, high-temperature, air compressor lines, petroleum-base or phosphate ester hydraulic fluid supply lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Meets or exceeds the requirements of SAE 100R2 and SAE 100R2 Type S.

**Tube:** Black, oil resistant, synthetic rubber (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** Two braids of high-tensile steel wire.

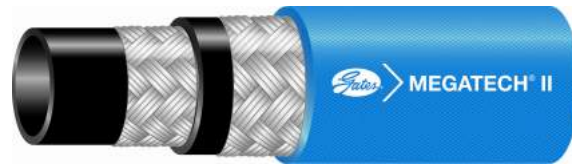
**Cover:** Blue, oil and abrasion resistant, polyester braid.






**Temperature Range:** -40°F to +302°F (-40°C to +150°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)

MegaCrimp® Couplings (-20 only) (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
20ACP MEGATECHIIIXCTN	4657-8018	1 1/4	1.89	2250	9000	15.0	100	1.58
24ACP MEGATECHIIIXCTN	4657-2484	1 1/2	2.13	1500	6000	20.0	100	1.74
32ACP MEGATECHIIIXCTN50	4657-4734	2	2.61	1300	5200	25.0	50	2.18
32ACP MEGATECHIIIXCTN	4657-2485	2	2.61	1300	5200	25.0	100	2.18

## MegaTech® 3000 High-Temp Oil-Air Return

**Recommended For:** For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J).

**Reinforcement:** Two braids of high-tensile steel wire.







**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +302°F (-40°C to +150°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (Section G)



Description	Product No.							Standard Pack	Weight (Lbs.)
4MEGATECH 3000XREEL	4657-2373	1/4	.59	3000	12000	2.0	30	400	.25
4MEGATECH3000 X50FT	4657-4116	1/4	.59	3000	12000	2.0	30	1	12.40
6MEGATECH 3000XREEL	4657-2374	3/8	.74	3000	12000	2.5	30	350	.31
6MEGATECH3000 X50FT	4657-4117	3/8	.74	3000	12000	2.5	30	1	16.40
8MEGATECH 3000XREEL	4657-2319	1/2	.86	3000	12000	3.5	30	350	.37
8MEGATECH3000 X50FT	4657-4118	1/2	.86	3000	12000	3.5	30	1	20.00

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## MegaTech® 1000 High-Temp Oil-Air Return Fleet Application

### HOSE

#### HOSE/CPLG. SELECTION

#### G8K COUPLINGS

#### GLOBALSPIRAL COUPLINGS

#### PCM / PCS FERRULES

#### MEGACRIMP COUPLINGS

#### STAINLESS STEEL

#### POWER CRIMP COUPLINGS

#### LOC, GL AND GLP COUPLINGS

#### POLARSEAL COUPLINGS

#### POLARSEAL II COUPLINGS

#### C14 COUPLINGS

#### PCTS THERMOPLASTIC COUPLINGS

#### FIELD ATTACHABLE G1 & G2 COUPLINGS

#### FIELD ATTACHABLE C5 & C5E COUPLINGS

#### SURELOK AIR BRAKE COUPLINGS

#### ADAPTERS

#### QUICK DISCONNECT COUPLERS

#### LIVE SWIVEL

#### BALL VALVES

#### ACCESSORIES

#### EQUIPMENT AND PARTS

**Recommended For:** Air brake, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of DOT FMVSS 106-74 (except dimensions), SAE J1402 Type AIII, for Air Brake Hose (-4, 6, 8, 10), and SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.







**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +302°F (-40°C to +150°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (Section G)



Description	Product No.							Standard Pack	Weight (Lbs.)
4MEGATECH 1000XREEL	4657-2332	1/4	.52	1000	4000	2.0	30	350	.11
4MEGATECH1000 X50FT	4657-2503	1/4	.52	1000	4000	2.0	30	1	5.99
6MEGATECH 1000XREEL	4657-2297	3/8	.66	1000	4000	2.5	30	350	.20
6MEGATECH1000 X50FT	4657-2504	3/8	.66	1000	4000	2.5	30	1	9.75
8MEGATECH 1000XREEL	4657-2334	1/2	.80	1000	4000	3.5	30	350	.24
8MEGATECH1000 X50FT	4657-2505	1/2	.80	1000	4000	3.5	30	1	11.81
10MEGATECH 1000XREEL	4657-2335	5/8	.93	1000	4000	4.0	30	300	.33
10MEGATECH1000 X50FT	4657-2506	5/8	.93	1000	4000	4.0	30	1	15.06
12MEGATECH 1000XREEL	4657-2336	3/4	1.15	1000	4000	4.7	30	200	.40
12MEGATECH1000 X50FT	4657-4040	3/4	1.15	1000	4000	4.7	30	1	21.00
16MEGATECH 1000XREEL	4657-2337	1	1.37	1000	4000	6.0	30	150	.58
16MEGATECH1000 X50FT	4657-4041	1	1.37	1000	4000	6.0	30	1	25.80
20MEGATECH 1000XCTN	4657-2338	1 1/4	1.64	1000	4000	8.5	30	100	.83
20MEGATECH1000 X50FT	4657-4042	1 1/4	1.64	1000	4000	8.5	30	1	45.67

## MegaTech® 500 High-Temp Oil-Air Return Fleet Application

**Recommended For:** Air brake hose, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +302°F (-40°C to +150°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GL Couplings (-24, -32 and -40) (Section J)







GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)



Description	Product No.							Standard Pack	Weight (Lbs.)
24MEGATECH 500XCTN	4657-0204	1 1/2	1.95	500	2000	15.0	30	100	1.00

## MegaTech® 500 High-Temp Oil-Air Return Fleet Application

### Continued

Description	Product No.							Standard Pack	Weight (Lbs.)
24MEGATECH500 X50FT	4657-0061	1 1/2	1.95	500	2000	15.0	30	1	55.85
32MEGATECH 500XCTN	4657-0205	2	2.48	500	2000	18.0	30	100	1.28
32MEGATECH500 X50FT	4657-0062	2	2.48	500	2000	18.0	30	1	74.60
40MEGATECH 500XCTN	4657-0206	2 1/2	2.97	500	2000	22.0	30	100	1.54
48MEGATECH 500XCTN	4657-0207	3	3.50	500	2000	24.0	30	100	1.84

## MegaTech® 250 High-Temp Transmission Oil Cooler (TOC) Hose

**Recommended For:** High-temperature (302°F) transmission oil cooler lines, pressurized hot oil return lines and turbocharger oil supplies. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

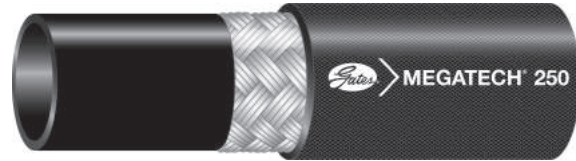
**Reinforcement:** One braid of high-tensile steel wire.







**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +302°F (-40°C to +150°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GLP Couplings (-4 through -12) (Section J)  
MegaCrimp® Couplings (Section G)



Description	Product No.							Standard Pack	Weight (Lbs.)
4MEGATECH 250XREEL	4657-2339	1/4	.52	250	1000	1.0	30	250	.09
4MEGATECH250 X50FT	4657-0083	1/4	.52	250	1000	1.0	30	1	4.68
6MEGATECH 250XREEL	4657-2340	3/8	.64	250	1000	1.8	30	350	.13
6MEGATECH250 X50FT	4657-0084	3/8	.64	250	1000	1.8	30	1	6.46
8MEGATECH 250XREEL	4657-2341	1/2	.78	250	1000	2.5	30	350	.17
8MEGATECH250 X50FT	4657-0085	1/2	.78	250	1000	2.5	30	1	8.56
10MEGATECH 250XREEL	4657-2342	5/8	.93	250	1000	3.0	30	300	.24
10MEGATECH250 X50FT	4657-0086	5/8	.93	250	1000	3.0	30	1	12.14
12MEGATECH 250XREEL	4657-2343	3/4	1.06	250	1000	3.5	30	200	.28
12MEGATECH250 X50FT	4657-0087	3/4	1.06	250	1000	3.5	30	1	15.71
16MEGATECH 250XREEL	4657-2344	1	1.36	250	1000	4.0	30	150	.44
16MEGATECH250 X50FT	4657-0088	1	1.36	250	1000	4.0	30	1	21.98
20MEGATECH 250XCTN	4657-2345	1 1/4	1.65	250	1000	4.5	30	120	.56
20MEGATECH250 X50FT	4657-0089	1 1/4	1.65	250	1000	4.5	30	1	28.15

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## MegaTech® G5TB Xtreme® Heat Oil-Air Return

### HOSE

#### HOSE/CPLG. SELECTION

#### G8K COUPLINGS

#### GLOBALSPIRAL COUPLINGS

#### PCM / PCS FERRULES

#### MEGACRIMP COUPLINGS

#### STAINLESS STEEL

#### POWER CRIMP COUPLINGS

#### LOC, GL AND GLP COUPLINGS

#### POLARSEAL COUPLINGS

#### POLARSEAL II COUPLINGS

#### C14 COUPLINGS

#### PCTS THERMOPLASTIC COUPLINGS

#### FIELD ATTACHABLE G1 & G2 COUPLINGS

#### FIELD ATTACHABLE C5 & C5E COUPLINGS

#### SURELOK AIR BRAKE COUPLINGS

#### ADAPTERS

#### QUICK DISCONNECT COUPLERS

#### LIVE SWIVEL

#### BALL VALVES

#### ACCESSORIES

#### EQUIPMENT AND PARTS

**Recommended For:** For pressurized hot oil return lines and rotary oil lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J).

**Reinforcement:** One or two braids of high-tensile steel wire.

**Cover:** Blue, oil and mildew resistant textile braid, impregnated with synthetic rubber.

**Temperature Range:** Petroleum-base fluids: -40°F to +302°F (-40°C to +150°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GL Couplings (-24 and -32 only) (Section J)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
MegaCrimp® Couplings (Section G)



Description	Product No.	⊖	⊕	⊖	⊕	R <sup>2</sup>	Standard Pack	Weight (Lbs.)
4MEGATECH G5TB X50FT	4657-4070	1/4	.59	3000	12000	2.0	1	12.40
4MEGATECH G5TBXREEL	4657-2183	1/4	.59	3000	12000	2.0	400	.24
6MEGATECH G5TB X50FT	4657-4071	3/8	.74	3000	12000	2.5	1	17.20
6MEGATECH G5TBXREEL	4657-2184	3/8	.74	3000	12000	2.5	350	.30
8MEGATECH G5TB X50FT	4657-4072	1/2	.86	3000	12000	3.5	1	18.80
8MEGATECH G5TBXREEL	4657-2185	1/2	.86	3000	12000	3.5	350	.37
10MEGATECH G5TBXREEL	4657-2186	5/8	.95	2000	8000	4.0	300	.43
12MEGATECH G5TBXREEL	4657-2187	3/4	1.10	2000	8000	4.7	200	.50
16MEGATECH G5TB X50FT	4657-4075	1	1.37	1000	4000	6.0	1	28.00
16MEGATECH G5TBXREEL	4657-2188	1	1.37	1000	4000	6.0	150	.66
20MEGATECH G5TB X25FT	4657-4079	1 1/4	1.67	1000	4000	8.5	1	22.00
20MEGATECH G5TB X50FT	4657-4076	1 1/4	1.67	1000	4000	8.5	1	50.60
20MEGATECH G5TBXCTN	4657-2189	1 1/4	1.67	1000	4000	8.5	100	.95
24MEGATECH G5TB X25FT	4657-4080	1 1/2	1.95	500	2000	9.5	1	27.75
24MEGATECH G5TB X50FT	4657-4077	1 1/2	1.95	500	2000	9.5	1	55.50
24MEGATECH G5TBXCTN	4657-2190	1 1/2	1.95	500	2000	9.5	100	1.11
32MEGATECH G5TB X25FT	4657-4081	2	2.53	500	2000	10.5	1	40.25
32MEGATECH G5TB X50FT	4657-4078	2	2.53	500	2000	10.5	1	80.50
32MEGATECH G5TBXCTN	4657-2191	2	2.53	500	2000	10.5	100	1.61

## M500 Wire Braid Hose Low Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Pilot lines, grease lines and pressure return lines, 500 psi or less pressure applications.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C).

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Black, oil and abrasion resistant, synthetic rubber, flame resistance (Nitrile/PVC - Type C2). Also available with unique abrasion resistant XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C).

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GLP Couplings (-4 through -12) (Section J)  
GlobalSpiral™ Couplings (-6 through -16) (Section E)  
MegaCrimp® Couplings (Section G)








Description	Product No.	⊖	⊕	⊖	⊕	R <sup>2</sup>	Standard Pack	Weight (Lbs.)
4M500 X50FT	4657-4087	1/4	.48	500	2000	2.0	1	6.00
4M500XREEL	4657-8027	1/4	.48	500	2000	2.0	440	.12
6M500 X50FT	4657-4088	3/8	.63	500	2000	2.5	1	9.20
6M500XREEL	4657-8028	3/8	.63	500	2000	2.5	330	.19



## M500 Wire Braid Hose

Low Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
8M500 X50FT	4657-4089	1/2	.76	500	2000	3.5	1	11.60
8M500XREEL	4657-8029	1/2	.76	500	2000	3.5	220	.26
10M500 X50FT	4657-4090	5/8	.93	500	2000	4.0	1	16.80
10M500XREEL	4657-8030	5/8	.93	500	2000	4.0	220	.34
12M500 X50FT	4657-4091	3/4	1.09	500	2000	4.7	1	20.60
12M500XREEL	4657-8031	3/4	1.09	500	2000	4.7	220	.46
16M500 X50FT	4657-4092	1	1.40	500	2000	6.0	1	32.14
16M500XREEL	4657-8032	1	1.40	500	2000	6.0	165	.63

## M500 Wire Braid Hose - XtraTuff™

Low Pressure

### Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Pilot lines, grease lines and pressure return lines, 500 psi or less pressure applications.

**Tube:** Black, oil resistant, synthetic rubber (NBR).

**Reinforcement:** One braid of high-tensile steel wire.






**Cover:** Black, oil and abrasion resistant, synthetic rubber, flame resistance. Also available in Standard cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)  
MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M500-XTFXREEL	4657-8033	1/4	.48	500	2000	2.0	440	.11
6M500-XTFXREEL	4657-8034	3/8	.63	500	2000	2.5	330	.18
8M500-XTFXREEL	4657-8035	1/2	.76	500	2000	3.5	220	.26
10M500-XTFXREEL	4657-8036	5/8	.93	500	2000	4.0	220	.35
12M500-XTFXREEL	4657-8037	3/4	1.09	500	2000	4.7	220	.45
16M500-XTFXREEL	4657-8038	1	1.40	500	2000	6.0	165	.64

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## TR500 High-Temp/Air Brake/Engine Hose

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

**Recommended For:** Air brake hose, high temperature pressurized oil return lines and rotary oil/air compressor lines, engine and transmission coolant lines and lube oil lines. Meets the requirements of DOT FMVSS 106-74 (except dimensions) and SAE J1402 Type III for air brake hose (4, 6, 8, 10). Not recommended for gasoline or diesel fuel applications.

**Tube:** Black (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GLP Couplings (Section J)

MegaCrimp® Couplings (Section G)



Description	Product No.							Standard Pack	Weight (Lbs.)
4TR500 X50FT	4657-2600	1/4	.51	500	2000	1.0	30	1	5.84
4TR500XREEL	4657-2228	1/4	.51	500	2000	1.0	30	250	.12
6TR500 X50FT	4657-2601	3/8	.66	500	2000	1.8	30	1	9.49
6TR500XREEL	4657-2520	3/8	.66	500	2000	1.8	30	350	.19
8TR500 X50FT	4657-2602	1/2	.80	500	2000	2.3	30	1	11.42
8TR500XREEL	4657-2521	1/2	.80	500	2000	2.3	30	350	.23
10TR500 X50FT	4657-2603	5/8	.93	500	2000	2.8	30	1	14.59
10TR500XREEL	4657-2229	5/8	.93	500	2000	2.8	30	300	.29
12TR500 X50FT	4657-2604	3/4	1.04	500	2000	3.5	30	1	16.77
12TR500XREEL	4657-2230	3/4	1.04	500	2000	3.5	30	200	.34
16TR500 X50FT	4657-2605	1	1.30	500	2000	4.5	30	1	22.70
16TR500XREEL	4657-2231	1	1.30	500	2000	4.5	30	150	.45

**NOTE:** Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

## G3H High-Temp 2-Fiber Braid Hose - SAE 100R3 Medium Pressure

**Recommended For:** Hydraulic oil lines, anti-freeze solutions or water. Meets or exceeds requirements of SAE 100R3.

**Tube:** Black, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Two fiber braids.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (-4, -6, -8, -10) (Section G)









Description	Product No.							Standard Pack	Weight (Lbs.)
4G3H X25FT	3319-4263	1/4	.56	1250	5000	3.0	28	1	3.35
4G3HXCTN	3319-0088	1/4	.56	1250	5000	3.0	28	455	.13
5G3H X50FT	3319-4717	5/16	.66	1200	4800	3.5	28	1	9.25
5G3HXCTN	3319-4287	5/16	.66	1200	4800	3.5	28	330	.18
6G3H X25FT	3319-4262	3/8	.75	1125	4500	4.0	28	1	5.37
6G3HXCTN	3319-0087	3/8	.75	1125	4500	4.0	28	350	.22
8G3H X25FT	3319-4261	1/2	.94	1000	4000	5.0	28	1	8.08
8G3HXCTN	3319-0090	1/2	.94	1000	4000	5.0	28	225	.32
10G3HXCTN	3319-4288	5/8	1.10	900	3600	5.5	28	200	.38
12G3H X25FT	3319-4265	3/4	1.25	750	3000	6.0	28	1	12.48
12G3HXCTN	3319-0091	3/4	1.25	750	3000	6.0	28	160	.48

## G3H High-Temp 2-Fiber Braid Hose - SAE 100R3

### Medium Pressure

#### Continued

Description	Product No.							Standard Pack	Weight (Lbs.)
16G3H X25FT	3319-4264	1	1.50	565	2260	8.0	20	1	15.43
16G3HXCTN	3319-0092	1	1.50	565	2260	8.0	20	120	.62
20G3H X50FT	3319-4718	1 1/4	1.75	375	1500	10.0	15	1	32.00
20G3HXCTN	3319-0071	1 1/4	1.75	375	1500	10.0	15	120	.74
24G3H X50FT	3319-4719	1 1/2	1.94	300	1200	12.0	10	1	50.60
24G3HXCTN	3319-4289	1 1/2	1.94	300	1200	12.0	10	120	.88

## GTH High-Temp 1-Fiber Braid Hose - SAE 100R6

### Low Pressure

**Recommended For:** Hydraulic oil lines, heavy-duty transmission oil cooler lines and glycol anti-freeze solutions. Meets or exceeds requirements of SAE 100R6.

**Tube:** Black, specially compounded, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One fiber braid.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C). For water emulsions see Temperature Limits Table.







**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GLP Couplings (except -3 and -5) (Section J)

MegaCrimp® Couplings (except -3) (Section G)

Power Crimp® Couplings (-3 only) (Section I)



Description	Product No.							Standard Pack	Weight (Lbs.)
3GTHXCTN	3319-3301	3/16	.44	500	2000	2.0	28	715	.08
4GTHXCTN	3319-3305	1/4	.50	400	1600	2.5	28	775	.09
5GTH X50FT	3319-0305	5/16	.56	400	1600	3.0	28	1	5.50
5GTH XBULK	3319-3309	5/16	.56	400	1600	3.0	28	250	.10
5GTHXCTN	3319-3310	5/16	.56	400	1600	3.0	28	650	.11
8GTH X50FT	3319-3317	1/2	.78	400	1600	4.0	18	1	8.45
8GTHXCTN	3319-3320	1/2	.78	400	1600	4.0	18	400	.18
8GTHXREEL	3319-3323	1/2	.78	400	1600	4.0	18	200	.17
10GTH X25FT	3319-4268	5/8	.91	350	1400	5.0	15	1	5.18
10GTHXCTN	3319-3325	5/8	.91	350	1400	5.0	15	250	.23
12GTHXCTN	3319-3335	3/4	1.06	300	1200	5.5	15	225	.29
16GTHXCTN	3319-3345	1	1.13	250	1000	8.0	10	165	.40

#### HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

## GTHX High-Temp Fiber Spiral Hose - SAE 100R6

### Low Pressure

#### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

**Recommended For:** Hydraulic oil lines, heavy-duty transmission oil cooler lines and glycol anti-freeze solutions. Meets or exceeds requirements of SAE 100R6.

**Tube:** Black, specially compounded, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Spiraled synthetic fiber.

**Cover:** Black, oil and abrasion resistant, synthetic rubber (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (Section G)



Description	Product No.							Standard Pack	Weight (Lbs.)
6GTHX X50FT	3289-0005	3/8	.63	400	1600	3.0	28	1	6.00
6GTHX XREEL	3289-0002	3/8	.63	400	1600	3.0	28	300	.13

## GMV Global MegaVac® Return Line and Suction Hose

### Low Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Petroleum and water-base hydraulic fluids in suction lines or in low pressure return lines. Meets or exceeds requirements of SAE 100R4. Uses half the bend radius of SAE 100R4. Meets marine ABS with use of HeatGuard® high temp sleeve.

**Tube:** Black, synthetic rubber is specifically designed for resistance to high temperatures (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Double spiral textile (braid for -12, -16 and -20) reinforced with a helical spiral-wire to prevent collapse.

**Cover:** Black synthetic rubber is oil and abrasion resistant (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GL Couplings (-12 through -40) (Section J)  
GlobalSpiral™ Plus Couplings (-24 and -32) (Section E)  
MegaCrimp® Couplings (-12 through -20) (Section G)  
Use clamp over beaded nipple.



Description	Product No.							Standard Pack	Weight (Lbs.)
12GMV X25FT	4504-0961	3/4	1.22	350	1400	2.5	25	1	11.22
12GMVXCTN	4504-0123	3/4	1.22	350	1400	2.5	25	100	.45
16GMV X25FT	4504-0962	1	1.45	300	1200	3.0	25	1	13.52
16GMVXCTN	4504-0003	1	1.45	300	1200	3.0	25	100	.54
20GMV X25FT	4504-0963	1 1/4	1.76	250	1000	4.0	25	1	19.17
20GMVXCTN	4504-0004	1 1/4	1.76	250	1000	4.0	25	100	.77
24GMV X25FT	3105-0030	1 1/2	1.95	160	640	5.0	25	1	25.30
24GMV X100FT	3105-0004	1 1/2	1.95	160	640	5.0	25	100	.91
32GMV X25FT	3105-0031	2	2.47	115	460	6.0	25	1	34.00
32GMV X100FT	3105-0006	2	2.47	115	460	6.0	25	100	1.16
36GMVXCTN*	3105-0008	2 1/4	2.76	90	360	7.0	25	100	1.26
40GMV X100FT	3105-0010	2 1/2	3.02	70	280	7.0	25	100	1.39
48GMV X100FT	3105-0014	3	3.51	60	240	9.0	25	100	1.63
56GMV X100FT	3105-0015	3 1/2	4.01	55	220	10.0	25	100	1.80
64GMV X100FT	3105-0018	4	4.51	55	220	12.0	25	100	2.05

\*Stem and clamp only, no Gates couplings available.

## G4H MegaVac® Return Line and Suction Hose Low Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Petroleum and water-base hydraulic fluids in suction lines or in low pressure return lines. Meets or exceeds requirements of SAE 100R4 (except 1" I.D.). Uses half the bend radius of SAE 100R4.

**Tube:** Black, synthetic rubber is specifically designed for resistance to high temperatures (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Double spiral textile reinforced with a helical spiral-wire to prevent collapse.

**Cover:** Black synthetic rubber is oil and abrasion resistant (Neoprene - Type A). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +275°F (-40°C to +135°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (-12 and -16) (Section G)

Use clamp over beaded nipple.



Description	Product No.							Standard Pack	Weight (Lbs.)
12G4H X25FT	3105-0027	3/4	1.17	300	1200	2.5	25	1	10.77
12G4HXCTN	3105-0022	3/4	1.17	300	1200	2.5	25	100	.42
16G4H X25FT	3105-0028	1	1.43	250	1000	3.0	25	1	13.30
16G4HXCTN	3105-0001	1	1.43	250	1000	3.0	25	100	.54
20G4H X25FT	3105-0029	1 1/4	1.68	200	800	4.0	25	1	15.14
20G4HXCTN	3105-0036	1 1/4	1.68	200	800	4.0	25	100	.62

## RLA 1-Fiber Braid Return Line and Low Pressure Hose Low Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Low-pressure hydraulic oil return lines for general purpose water, glycol antifreeze solutions, conveying diesel fuel, gasoline or air. Meets SAE 30R2 performance requirements (except dimensions and tolerance) for fuel and B20 constant contact up to 125°F biodiesel fuel transfer applications.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One fiber braid (-3 to -10). Spiral braid (-12 to -16).

**Cover:** Black, synthetic rubber. Oil and abrasion resistant (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GLP Couplings (except -3, -5 and -16) (Section J)

MegaCrimp® Couplings (except -3) (Section G)

Power Crimp® Couplings (-3 only) (Section I)



Description	Product No.							Standard Pack	Weight (Lbs.)
3RLA X25FT	3284-4028	3/16	.41	250	1000	3.0	28	1	1.68
3RLAXREEL	3284-0110	3/16	.41	250	1000	3.0	28	550	.07
4RLA X25FT	3284-4029	1/4	.50	250	1000	3.0	28	1	2.39
4RLAXREEL	3284-0120	1/4	.50	250	1000	3.0	28	550	.10
5RLA X25FT	3284-4030	5/16	.56	250	1000	4.0	28	1	2.77
5RLAXREEL	3284-0130	5/16	.56	250	1000	4.0	28	550	.12
6RLA X25FT	3284-4031	3/8	.66	250	1000	4.0	28	1	3.71
6RLAXREEL	3284-0140	3/8	.66	250	1000	4.0	28	550	.15
8RLA X25FT	3284-4032	1/2	.81	200	800	5.0	20	1	5.05
8RLAXREEL	3284-0150	1/2	.81	200	800	5.0	20	550	.23
10RLA X25FT	3284-4033	5/8	.94	200	800	6.0	15	1	6.43
10RLAXREEL	3284-0160	5/8	.94	200	800	6.0	15	550	.26
12RLA X25FT	3284-4088	3/4	1.09	200	800	6.0	10	1	8.10

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES







ACCESSORIES

EQUIPMENT AND  
PARTS

## RLA 1-Fiber Braid Return Line and Low Pressure Hose

### Low Pressure

#### Continued

HOSE	Description	Product No.							Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	12RLAXREEL	3284-0170	3/4	1.09	200	800	6.0	10	650	.32
G8K COUPLINGS	16RLA X25FT	3284-4181	1	1.34	160	640	8.0	10	1	10.31
GLOBAL SPIRAL COUPLINGS	16RLAXREEL	3284-0180	1	1.34	160	640	8.0	10	400	.41

## RLC 3-Fiber Braid Return Line and Low Pressure Hose

### Low Pressure

**Recommended For:** Petroleum-base hydraulic oils, glycol antifreeze, air or water in low pressure fluid transfer or hydraulic system return lines. Generally connected to 100R4 stems, beaded nipples, or tube type ports with worm gear clamps.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** Three fiber braids.







**Cover:** Black, oil and abrasion resistant, synthetic rubber (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** For hydraulic oil lines -40°F to +275°F (-40°C to +135°C); air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Use barbed stem or beaded-tube with clamps only.



HOSE	Description	Product No.							Standard Pack	Weight (Lbs.)
C14 COUPLINGS	16RLCXCTN	3319-0261	1	1.62	200	800	9.0	25	50	.75
PCTS THERMOPLASTIC COUPLINGS	20RLCXCTN	3319-0263	1 1/4	1.88	200	800	10.0	25	50	.88
	24RLCXCTN	3319-0264	1 1/2	2.12	200	800	11.0	25	100	.95
	28RLCXCTN	3319-0265	1 3/4	2.38	200	800	12.0	25	50	1.05
	32RLCXCTN	3319-0266	2	2.56	200	800	13.0	25	50	1.30
FIELD ATTACHABLE G1 & G2 COUPLINGS	36RLCXCTN	3319-0267	2 1/4	2.87	150	600	14.0	25	50	1.50
	40RLCXCTN	3319-0268	2 1/2	3.12	150	600	16.0	25	50	1.81
	48RLCXCTN	3319-0270	3	3.62	150	600	20.0	25	50	2.28
	56RLCXCTN	3319-0272	3 1/2	4.12	150	600	24.0	25	50	2.58
FIELD ATTACHABLE C5 & C5E COUPLINGS	72RLC X10FT	3319-0273	4 1/2	5.19	100	400	54.0	25	10	3.50
SURELOK AIR BRAKE COUPLINGS										
ADAPTERS										
QUICK DISCONNECT COUPLERS										
LIVE SWIVEL										
BALL VALVES										
ACCESSORIES										
EQUIPMENT AND PARTS										



## RLA-30R2 1-Fiber Braid Return Line & Low Pressure Hose - SAE 30R2

### Low Pressure Hose

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** Low pressure hydraulic oil return lines for general purpose water, glycol antifreeze solutions, conveying diesel fuel, gasoline or air. Meets SAE 30R2 Type 1 performance and dimensions for fuel and B20 constant contact up to 125°F biodiesel fuel transfer applications.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile-Type C). See Hose Stock Characteristics.

**Reinforcement:** One fiber braid (-3 to -10). One fiber spiral (-12 to -16).

**Cover:** Black, synthetic rubber. Oil and abrasion resistant (Modified Nitrile - Type C2). See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.

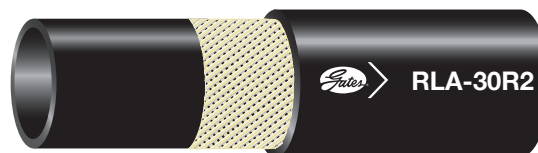
**Coupling Recommendation** (See gates.com/ecrimp or Crimp Data Manual 35019):

GLP Couplings (-12 only) (Section J)

MegaCrimp® (except -3) (Section G)

Power Crimp Couplings (-3 only) (Section I)

GLX Couplings (-12 and -16) (See Industrial Hose Catalog)



Description	Product No.							Standard Pack	Weight (Lbs.)
3RLA-30R2X25FT	3284-5312	3/16	.41	250	1000	3.0	28	1	1.68
3RLA-30R2XREEL	3284-5306	3/16	.41	250	1000	3.0	28	550	.07
4RLA-30R2X25FT	3284-5313	1/4	.48	250	1000	3.0	28	1	2.39
4RLA-30R2XREEL	3284-5307	1/4	.48	250	1000	3.0	28	550	.10
5RLA-30R2X25FT	3284-5314	5/16	.54	250	1000	4.0	28	1	2.77
5RLA-30R2XREEL	3284-5282	5/16	.54	250	1000	4.0	28	550	.12
6RLA-30R2X25FT	3284-5315	3/8	.60	250	1000	4.0	28	1	3.71
6RLA-30R2XREEL	3284-5304	3/8	.60	250	1000	4.0	28	550	.15
8RLA-30R2X25FT	3284-5316	1/2	.75	200	800	5.0	20	1	5.05
8RLA-30R2XREEL	3284-5308	1/2	.75	200	800	5.0	20	550	.23
10RLA-30R2X25FT	3284-5317	5/8	.88	200	800	6.0	15	1	6.43
10RLA-30R2XREEL	3284-5309	5/8	.88	200	800	6.0	15	550	.26
12RLA-30R2X25FT	3284-4088	3/4	1.09	200	800	6.0	10	1	8.10
12RLA-30R2XREEL	3284-0170	3/4	1.09	200	800	6.0	10	650	.32
16RLA-30R2X25FT	3284-4181	1	1.33	160	640	8.0	10	1	10.31
16RLA-30R2XREEL	3284-0180	1	1.33	160	640	8.0	10	400	.41

#### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## MegaTech® LOC 1-Fiber Braid High-Temp Lock-On Hose

### Low Pressure

**Recommended For:** High-temperature (302°F) transmission oil cooler lines, pressurized hot oil return lines and turbocharger oil supply lines. Meets or exceeds SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils.

**Tube:** True-bore GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J).

**Reinforcement:** One fiber braid.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** -40°F to +302°F (-40°C to +150°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Field Attachable LOC Couplings (Section J)

GLP Couplings (-4 through -12) (Section J)

MegaCrimp® Couplings (-16) (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4MEGATECHLOCXREEL	4319-0106	1/4	.50	300	1200	3.0	575	.10
6MEGATECHLOCXREEL	4319-0107	3/8	.64	300	1200	3.0	600	.12
8MEGATECHLOCXREEL	4319-0108	1/2	.78	300	1200	5.0	335	.16
10MEGATECHLOCXREEL	4319-0109	5/8	.91	300	1200	6.0	260	.21
12MEGATECHLOCXREEL	4319-0110	3/4	1.08	300	1200	7.0	220	.25
16MEGATECHLOCXREEL	4319-0111	1	1.33	300	1200	7.0	200	.34

## LOC 1-Fiber Braid Lock-On Hose

### Low Pressure

**Recommended For:** Petroleum-base hydraulic oils, glycol antifreeze compounds, water, engine lubricating oils and air. Lock-On hose and couplings are NOT recommended for vibration or pressure surge applications, such as permanent piping in residential or commercial buildings. Meets SAE 30R2, SAE 30R6 and SAE 30R7 performance (except OD and tolerance) for fuel and B20 biodiesel fuel transfer applications up to +125°F.

**Tube:** Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One fiber braid.

**Cover:** Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For air: -40°F to +160°F (-40°C to +71°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Field Attachable LOC Couplings (Section J)

GLP Couplings (Section J)

Use clamp over beaded nipple.



Description	Product No.						Standard Pack	Weight (Lbs.)
4LOC X50FT	4319-4935	1/4	.52	300	1200	3.0	1	4.56
4LOCXREEL	4319-0112	1/4	.52	300	1200	3.0	300	.09
6LOC X50FT	4319-4936	3/8	.64	300	1200	3.0	1	5.73
6LOCXREEL	4319-0113	3/8	.64	300	1200	3.0	300	.11
8LOC X50FT	4319-4937	1/2	.80	300	1200	5.0	1	7.55
8LOCXREEL	4319-0114	1/2	.80	300	1200	5.0	300	.15
10LOCXREEL	4319-0115	5/8	.90	300	1200	6.0	250	.21
12LOCXREEL	4319-0116	3/4	1.00	300	1200	7.0	225	.25

#### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## LOL Plus Lock-On Hose

### Low Pressure

#### HOSE

**Black Cover Only Meets Flame Resistance Acceptance Designation "MSHA 2G".**

**Recommended For:** Petroleum-base hydraulic oils, water, glycol antifreeze solutions, engine lubricating oils, and air. Lock-On hose and couplings are NOT recommended for pressure surge applications or critical applications, such as permanent piping in residential or commercial buildings. Do not use for gasoline or diesel fuels, unless approved by Gates H/C Product Application.

**Tube:** Black, oil resistant, synthetic rubber highly resistant to oil and heat (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One fiber braid.

**Cover:** Oil and abrasion resistant synthetic rubber (Modified Nitrile - Type C2). Available in black Neoprene (LOLA), blue (LOLB), green (LOLG), red (LOLR), yellow (LOLY) and gray (LOLC) colors.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Field Attachable LOC Couplings (Section J)

GLP Couplings (except -3) (Section J)

Use clamp over beaded nipple.



Description	Product No.							Standard Pack	Weight (Lbs.)
3LOLAXREEL*	3284-2500	3/16	.41	300	1200	3.0	28	300	.07
3LOLBXREEL*	3284-2510	3/16	.41	300	1200	3.0	28	300	.07
3LOLCXREEL**	3284-2520	3/16	.41	300	1200	3.0	28	300	.07
3LOLGXREEL**	3284-2530	3/16	.41	300	1200	3.0	28	300	.07
3LOLRXREEL*	3284-2540	3/16	.41	300	1200	3.0	28	300	.07
3LOLYXREEL**	3284-2560	3/16	.41	300	1200	3.0	28	300	.07
4LOLA X50FT	3284-2266	1/4	.47	300	1200	3.0	28	1	3.99
4LOLAXREEL	3284-2501	1/4	.47	300	1200	3.0	28	475	.08
4LOLB X25FT	3284-2272	1/4	.47	300	1200	3.0	28	1	1.96
4LOLBXREEL	3284-2511	1/4	.47	300	1200	3.0	28	475	.08
4LOLCXREEL	3284-2521	1/4	.47	300	1200	3.0	28	475	.08
4LOLG X25FT	3284-2277	1/4	.47	300	1200	3.0	28	1	1.97
4LOLGXREEL	3284-2531	1/4	.47	300	1200	3.0	28	475	.08
4LOLR X25FT	3284-2281	1/4	.47	300	1200	3.0	28	1	1.97
4LOLRXREEL	3284-2541	1/4	.47	300	1200	3.0	28	475	.08
4LOLYXREEL	3284-2561	1/4	.47	300	1200	3.0	28	475	.08
5LOLA X25FT	3284-2297	5/16	.55	300	1200	3.0	28	1	2.57
5LOLA X50FT	3284-2267	5/16	.55	300	1200	3.0	28	1	5.13
5LOLAXREEL	3284-2502	5/16	.55	300	1200	3.0	28	300	.10
6LOLA X50FT	3284-2268	3/8	.63	300	1200	3.0	28	1	6.36
6LOLAXREEL	3284-2503	3/8	.63	300	1200	3.0	28	300	.13
6LOLB X25FT	3284-2273	3/8	.63	300	1200	3.0	28	1	3.12
6LOLBXREEL	3284-2513	3/8	.63	300	1200	3.0	28	300	.13
6LOLCXREEL	3284-2523	3/8	.63	300	1200	3.0	28	300	.13
6LOLG X25FT	3284-2278	3/8	.63	300	1200	3.0	28	1	3.14
6LOLGXREEL	3284-2533	3/8	.63	300	1200	3.0	28	300	.13
6LOLR X25FT	3284-2282	3/8	.63	300	1200	3.0	28	1	3.14
6LOLRXREEL	3284-2543	3/8	.63	300	1200	3.0	28	300	.13
6LOLYXREEL	3284-2563	3/8	.63	300	1200	3.0	28	300	.13
8LOLA X50FT	3284-2269	1/2	.77	300	1200	5.0	28	1	8.55
8LOLAXREEL	3284-2504	1/2	.77	300	1200	5.0	28	300	.17
8LOLB X25FT	3284-2274	1/2	.77	300	1200	5.0	28	1	4.19
8LOLBXREEL	3284-2515	1/2	.77	300	1200	5.0	28	300	.17
8LOLCXREEL	3284-2525	1/2	.77	300	1200	5.0	28	300	.17
8LOLG X25FT	3284-2279	1/2	.77	300	1200	5.0	28	1	4.21
8LOLGXREEL	3284-2535	1/2	.77	300	1200	5.0	28	300	.17
8LOLR X25FT	3284-2283	1/2	.77	300	1200	5.0	28	1	4.21
8LOLRXREEL	3284-2545	1/2	.77	300	1200	5.0	28	300	.17
8LOLYXREEL	3284-2565	1/2	.77	300	1200	5.0	28	300	.17

\*Couplings for this size are available on special order only.







\*\*Special hose, subject to minimum order requirements if not in inventory.

**NOTE: LOL Lock-On Hose is packaged in UPS shippable reels.**

**NOTE: The use of clamps with LOC Couplings is not recommended.**

## LOL Plus Lock-On Hose Low Pressure

### Continued

Description	Product No.							Standard Pack	Weight (Lbs.)
10LOLA X50FT	3284-2270	5/8	.94	300	1200	6.0	28	1	12.10
10LOLAXREEL	3284-2505	5/8	.94	300	1200	6.0	28	250	.23
10LOLB X25FT	3284-2275	5/8	.94	300	1200	6.0	28	1	5.95
10LOLBXREEL	3284-2517	5/8	.94	300	1200	6.0	28	250	.23
10LOLCXREEL	3284-2527	5/8	.94	300	1200	6.0	28	250	.23
10LOLGXREEL*	3284-2537	5/8	.94	300	1200	6.0	28	250	.23
10LOLRXREEL*	3284-2547	5/8	.94	300	1200	6.0	28	250	.23
10LOLYXREEL*	3284-2567	5/8	.94	300	1200	6.0	28	250	.23
12LOLA X50FT	3284-2271	3/4	1.06	300	1200	7.0	15	1	13.93
12LOLAXREEL	3284-2506	3/4	1.06	300	1200	7.0	15	225	.28
12LOLB X25FT	3284-2276	3/4	1.06	300	1200	7.0	15	1	6.85
12LOLBXREEL	3284-2519	3/4	1.06	300	1200	7.0	15	225	.28
12LOLCXREEL	3284-2529	3/4	1.06	300	1200	7.0	15	225	.28
12LOLG X25FT	3284-2280	3/4	1.06	300	1200	7.0	15	1	6.87
12LOLGXREEL	3284-2536	3/4	1.06	300	1200	7.0	15	225	.28
12LOLR X25FT	3284-2284	3/4	1.06	300	1200	7.0	15	1	6.87
12LOLRXREEL	3284-2549	3/4	1.06	300	1200	7.0	15	225	.28
12LOLYXREEL	3284-2569	3/4	1.06	300	1200	7.0	15	225	.28

\*Special hose, subject to minimum order requirements if not in inventory.

**NOTE:** LOL Lock-On Hose is packaged in UPS shippable reels.

**NOTE:** The use of clamps with LOC Couplings is not recommended.

## C5C Hydraulic Hose - SAE 100R5

DOT FMVSS 106-74 Type All and SAE J1402 Type All for air brake applications (-4 to -12).

**Recommended For:** Medium pressure hydraulic petroleum-based oil lines in impulse applications, lube oil, air and water in applications such as air brakes, power steering (CAUTION: Intended for heavy-duty commercial vehicle use only), turbocharger oil supplies, tilt cab cylinders, transmission coolant and filtration lines. Meets or exceeds requirements of SAE 100R5 for traditional hydraulic applications, DOT FMVSS 106-74 Type All and SAE J1402 Type All for air brake applications (-4 to -12). Not recommended for gasoline or diesel fuel.

**Tube:** -4 and -5: black, oil and heat resistant synthetic rubber (Neoprene - Type A); -6 through -40: (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile carbon steel wire over one braid of polyester.






**Cover:** Black, oil and mildew resistant, polyester braid impregnated with synthetic rubber.

**Temperature Range:** Under SAE 100R5 (hydraulic) conditions -40°F to +212°F (-40°C to +100°C). Air to +160°F (+71°C) only. Avoid continuous use at maximum temperature concurrent with maximum working pressures. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

C5 Field Attachable Couplings (Section P)



Description	Product No.						Standard Pack	Weight (Lbs.)
4C5C X50FT	3658-1762	3/16	.52	3000	12000	3.0	1	8.30
4C5CXREEL	3658-1775	3/16	.52	3000	12000	3.0	440	.16
5C5C X50FT	3658-1763	1/4	.58	3000	12000	3.4	1	8.50
5C5CXREEL	3658-1776	1/4	.58	3000	12000	3.4	385	.19
6C5C X50FT	3658-1764	5/16	.67	2250	9000	4.0	1	10.50
6C5CXREEL	3658-1777	5/16	.67	2250	9000	4.0	385	.24

**NOTE:** Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL






BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## C5C Hydraulic Hose - SAE 100R5

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	8C5C X50FT	3658-1765	13/32	.77	2000	8000	4.6	1	11.50
	8C5CXREEL	3658-1778	13/32	.77	2000	8000	4.6	330	.28
G8K COUPLINGS	10C5C X50FT	3658-1766	1/2	.92	1750	7000	5.5	1	18.85
	10C5CXREEL	3658-1779	1/2	.92	1750	7000	5.5	275	.38
GLOBAL SPIRAL COUPLINGS	12C5C X50FT	3658-1767	5/8	1.08	1500	6000	6.5	1	20.50
	12C5CXREEL	3658-1780	5/8	1.08	1500	6000	6.5	220	.47
PCM / PCS FERRULES	16C5C X50FT	3658-1768	7/8	1.23	800	3200	7.4	1	22.66
	16C5CXREEL	3658-1781	7/8	1.23	800	3200	7.4	165	.57
MEGACRIMP COUPLINGS	20C5C X25FT	3658-1772	1 1/8	1.50	625	2500	9.0	1	13.39
	20C5CXCTN	3658-1758	1 1/8	1.50	625	2500	9.0	100	.54
	24C5CXCTN	3658-1759	1 3/8	1.75	500	2000	10.5	100	.60
STAINLESS STEEL	32C5CXCTN	3658-1760	1 13/16	2.22	350	1400	13.3	100	.84
	40C5CXCTN	3658-1761	2 3/8	2.88	350	1400	24.0	50	1.23

**NOTE:** Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

## C5C-XH Xtreme® Heat Hose - SAE 100R5

DOT FMVSS 106-74 Type All and SAE J1402 Type All for (-4 to -12).

**Recommended For:** Extremely high temperature petroleum based or phosphate ester fluids, turbo charger oil supply and hot lube oil lines. Meets the requirements of SAE J1405 performance specifications for high temperature transmission and lubrication oil systems.

**Tube:** Black, oil and heat resistant synthetic polymer tube (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** Braided, high tensile wire and textile.






**Cover:** Blue, oil and mildew resistant polyester/textile braid impregnated with synthetic rubber

**Temperature Range:** -40°F to +302°F (-40°C to +150°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

C5 Field Attachable Couplings (-6, -10, -16 and -20) (Section P)  
C5X Field Attachable Couplings (-5, -8, and -12 Only) (Section P) Crimp options are MegaCrimp®, GlobalSpiral™ (depending on size)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
SURELOK AIR BRAKE COUPLINGS	5C5CXH X50FT	3658-4001	1/4	.58	3000	12000	3.4	1	9.30
	5C5CXHXREEL	3658-0151	1/4	.58	3000	12000	3.4	385	.19
ADAPTERS	6C5CXH X50FT	3658-4002	5/16	.67	2250	9000	4.0	1	11.00
	6C5CXHXREEL	3658-0152	5/16	.67	2250	9000	4.0	385	.22
QUICK DISCONNECT COUPLERS	8C5CXH X50FT	3658-4003	13/32	.77	2000	8000	4.6	1	12.50
	8C5CXHXREEL	3658-0153	13/32	.77	2000	8000	4.6	330	.25
LIVE SWIVEL	10C5CXH X50FT	3658-4004	1/2	.92	1750	7000	5.5	1	19.14
	10C5CXHXREEL	3658-0154	1/2	.92	1750	7000	5.5	275	.38
BALL VALVES	12C5CXH X50FT	3658-4005	5/8	1.08	1500	6000	6.5	1	21.87
	12C5CXHXREEL	3658-0155	5/8	1.08	1500	6000	6.5	220	.44
ACCESSORIES	16C5CXH X50FT	3658-4006	7/8	1.23	800	3200	7.4	1	24.00
	16C5CXHXREEL	3658-0156	7/8	1.23	800	3200	7.4	165	.48
EQUIPMENT AND PARTS	20C5CXH X50FT	3658-4007	1 1/8	1.50	625	2500	9.0	1	31.00
	20C5CXHXCTN	3658-0157	1 1/8	1.50	625	2500	9.0	120	.52



## C5D High-Temp Multi-Fluid Hose

DOT FMVSS 106-74 Type All, SAE J1402 Type All (-4 to -12).

**Recommended For:** Petroleum-base or phosphate ester fluids; diesel fuels and filtration lines, transmission coolant lines, hot lube oil lines, power steering (CAUTION: Intended for heavy-duty commercial vehicle use only), gasoline and turbocharger oil supplies. Tilt cab cylinder and air brakes. C5D (-4 to -12) meets or exceeds DOT FMVSS 106-74 Type All, SAE J1402 Type All and SAE J1405. Not for biodiesel blends greater than 5% or gasoline.

**Tube:** Black, oil and heat resistant, synthetic rubber (CPE - Type J). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire over one braid of polyester.

**Cover:** Green for easy identification, oil and mildew resistant, polyester braid impregnated with synthetic rubber.

**Temperature Range:** -40°F to +302°F (-40°C to +150°C). Air to +250°F (+121°C) only, maximum phosphate esters to +212°F (+100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**  
C5 Field Attachable Couplings (Section P)



Description	Product No.						Standard Pack	Weight (Lbs.)
4C5D X50FT	3658-0001	3/16	.52	1500	6000	1.0	1	7.19
4C5DXREEL	3658-0020	3/16	.52	1500	6000	1.0	440	.14
5C5D X50FT	3658-0007	1/4	.58	1500	6000	1.5	1	11.10
5C5DXREEL	3658-0027	1/4	.58	1500	6000	1.5	385	.15
6C5D X50FT	3658-0002	5/16	.67	1500	6000	1.8	1	11.40
6C5DXREEL	3658-0021	5/16	.67	1500	6000	1.8	385	.18
8C5D X50FT	3658-0003	13/32	.77	1250	5000	2.0	1	13.03
8C5DXREEL	3658-0022	13/32	.77	1250	5000	2.0	330	.23
10C5D X50FT	3658-0008	1/2	.92	1250	5000	2.0	1	13.50
10C5DXREEL	3658-0028	1/2	.92	1250	5000	2.0	275	.27
12C5D X50FT	3658-0009	5/8	1.08	750	3000	2.3	1	15.00
12C5DXREEL	3658-0029	5/8	1.08	750	3000	2.3	220	.40
16C5D X50FT	3658-0010	7/8	1.23	400	1600	3.5	1	24.00
16C5DXREEL	3658-0030	7/8	1.23	400	1600	3.5	165	.46

**NOTE:** Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

## C5M Marine Fuel Line Hose

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** All commercial and recreational vessel fuel line applications. Suitable for marine diesel, gasoline, B100 biodiesel, gasohol fuels and hot oil applications.

**Tube:** Nitrile - Type C. See Hose Stock Characteristics.

**Reinforcement:** One wire braid

**Cover:** Modified Nitrile - Type C2. Blue. See Hose Stock Characteristics.

**Temperature Range:** -4°F to +212°F (-20°C to +100°C) continuous service.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**  
C5 Field Attachable Couplings (Section P)



Description	Product No.						Standard Pack	Weight (Lbs.)
5C5MXREEL	3658-1965	1/4	.58	500	2000	1.3	385	.21
6C5M X50FT	3658-4596	5/16	.67	500	2000	1.3	1	13.28
6C5MXREEL	3658-1969	5/16	.67	500	2000	1.3	385	.27
8C5M X50FT	3658-4597	13/32	.77	500	2000	1.8	1	15.67
8C5MXREEL	3658-1973	13/32	.77	500	2000	1.8	330	.33
10C5M X50FT	3658-4598	1/2	.92	500	2000	2.3	1	21.51
10C5MXREEL	3658-1977	1/2	.92	500	2000	2.3	275	.40

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES






ACCESSORIES

EQUIPMENT AND  
PARTS



## C5M Marine Fuel Line Hose

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	12C5M X50FT	3658-4599	5/8	1.08	500	2000	2.8	1	26.84
	12C5MXREEL	3658-1981	5/8	1.08	500	2000	2.8	220	.51
G8K COUPLINGS	16C5M X50FT	3658-4600	7/8	1.23	500	2000	3.5	1	27.58
	16C5MXREEL	3658-1985	7/8	1.23	500	2000	3.5	165	.62

## C5E High-Temp Flexline Hose

DOT FMVSS 106 Type A1, SAE J1405 and SAE J1402 Type A1 (-4 to -12).

**Recommended For:** Air brake hose, power steering (CAUTION: Intended for heavy-duty commercial vehicle use only), engine and transmission coolant lines, and hot (+300°F) lube oil lines.

**Tube:** Black, oil and heat resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

**Reinforcement:** One braid of high-tensile steel wire over one braid of polyester.






**Cover:** Black, oil and heat resistant, textile braid impregnated with synthetic rubber. Green stripe for easy identification.

**Temperature Range:** -40°F to +302°F (-40°C to +150°C). Air +250°F (+121°C) maximum only. For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

C5E Field Attachable Couplings (Section P)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
C14 COUPLINGS	4C5E X50FT	3658-4990	3/16	.49	1500	6000	.8	1	6.22
	4C5EXREEL	3658-0210	3/16	.49	1500	6000	.8	440	.12
PCTS THERMOPLASTIC COUPLINGS	5C5E X50FT	3658-4991	1/4	.55	1500	6000	1.0	1	6.82
	5C5EXREEL	3658-0211	1/4	.55	1500	6000	1.0	385	.14
FIELD ATTACHABLE G1 & G2 COUPLINGS	6C5E X50FT	3658-4992	5/16	.61	1500	6000	1.3	1	8.59
	6C5EXREEL	3658-0212	5/16	.61	1500	6000	1.3	385	.17
FIELD ATTACHABLE C5 & C5E COUPLINGS	8C5E X50FT	3658-4993	13/32	.73	1250	5000	1.8	1	11.04
	8C5EXCTN	3658-0203	13/32	.73	1250	5000	1.8	475	.22
SURELOK AIR BRAKE COUPLINGS	8C5EXREEL	3658-0213	13/32	.73	1250	5000	1.8	330	.22
	10C5E X50FT	3658-4994	1/2	.83	1250	5000	2.3	1	12.46
ADAPTERS	10C5EXCTN	3658-0204	1/2	.83	1250	5000	2.3	330	.25
	10C5EXREEL	3658-0214	1/2	.83	1250	5000	2.3	275	.25
QUICK DISCONNECT COUPLERS	12C5E X50FT	3658-4995	5/8	.95	750	3000	3.0	1	15.20
	12C5EXCTN	3658-0205	5/8	.95	750	3000	3.0	200	.31
LIVE SWIVEL	12C5EXREEL	3658-0215	5/8	.95	750	3000	3.0	220	.30
	16C5E X50FT	3658-4996	7/8	1.20	400	1600	3.5	1	18.34
BALL VALVES	16C5EXREEL	3658-0216	7/8	1.20	400	1600	3.5	165	.37
	20C5E X25FT	3658-4989	1 1/8	1.49	300	1200	4.5	1	13.11
ACCESSORIES	20C5EXCTN	3658-0207	1 1/8	1.49	300	1200	4.5	100	.52

**NOTE:** Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

## Air Brake Nylon Tubing

**Recommended For:** Truck, bus and mobile air brake, and service lines where heat and battery acids are not present. Conforms to SAE J844 specifications. Meets D.O.T. FMVSS 106-74.

**Tube:** Heat and light stabilized seamless extruded nylon.

**Reinforcement:** Type A: Non-reinforced in sizes 1/8", 5/32", 3/16" and 1/4". NOTE: 1/8" and 5/32" are NOT recognized by D.O.T. for air brake systems, these are for service lines only.

Type B: Reinforced with one open ply of fibrous nylon in sizes 5/16", 3/8", 1/2", 5/8" and 3/4".

**Cover:** Nylon. Available in black (NABTA), blue (NABTB), green (NABTG), red (NABTR), yellow (NABTY), orange (NABTO), purple (NABTP), brown (NABTN), silver (NABTS) and white (NABTW) colors. Other colors available upon request.

**Temperature Range:** -40°F to +200°F (-40°C to +93°C).

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

Gates DOT SureLok™ Couplings (Section Q)



Description	Product No.	Tube O.D. (in)	Reinforcement Type				Weight (Lbs.)
2.5NABTA X100FT	4327-0050	5/32	A	150	800	.5	.70
2NABTA X100FT	4327-0049	1/8	A	150	800	.37	.45
2NABTAXLG REEL	4327-0117	1/8	A	150	800	.37	.01
3NABTA X100FT	4327-0051	3/16	A	150	800	.75	.85
4NABTA X100FT	4327-0052	1/4	A	150	800	1.0	1.30
4NABTAXLG REEL	4327-0101	1/4	A	150	800	1.0	.01
4NABTB X100FT	4327-0068	1/4	A	150	800	1.0	1.25
4NABTBXLG REEL	4327-1001	1/4	A	150	800	1.0	.02
4NABTBXREEL	4327-0102	1/4	A	150	800	1.0	.01
4NABTG X100FT	4327-0058	1/4	A	150	800	1.0	1.25
4NABTGXREEL	4327-0104	1/4	A	150	800	1.0	.01
4NABTNXREEL	4327-0103	1/4	A	150	800	1.0	.01
4NABTO X100FT	4327-0078	1/4	A	150	960	1.0	1.25
4NABTPXLG REEL	4327-0125	1/4	A	150	800	1.0	.01
4NABTR X100FT	4327-0063	1/4	A	150	800	1.0	1.25
4NABTRXREEL	4327-0105	1/4	A	150	800	1.0	.01
4NABTSXREEL	4327-0106	1/4	A	150	800	1.0	.01
4NABTY X100FT	4327-0073	1/4	A	150	800	1.0	1.30
4NABTYXREEL	4327-0107	1/4	A	150	800	1.0	.01
5NABTA X100FT	4327-0053	5/16	B	150	800	1.25	1.60
5NABTAXREEL	4327-0120	5/16	B	150	800	1.25	.02
6NABTA X100FT	4327-0054	3/8	B	150	800	1.5	2.95
6NABTAXLG REEL	4327-0201	3/8	B	150	800	1.5	.03
6NABTAXREEL	4327-0126	3/8	B	150	800	1.5	.03
6NABTB X100FT	4327-0069	3/8	B	150	800	1.25	2.90
6NABTBXLG REEL	4327-1002	3/8	B	150	800	1.25	.03
6NABTBXREEL	4327-0128	3/8	B	150	800	1.25	.03
6NABTG X100FT	4327-0059	3/8	B	150	800	1.25	2.85
6NABTGXLG REEL	4327-1003	3/8	B	150	800	1.25	.04
6NABTGXREEL	4327-0129	3/8	B	150	760	1.25	.03
6NABTNXREEL	4327-0109	3/8	B	150	800	1.25	.03
6NABTO X100FT	4327-0079	3/8	B	150	1120	1.25	2.85
6NABTOXREEL	4327-1004	3/8	B	150	1120	1.25	.04
6NABTR X100FT	4327-0064	3/8	B	150	800	1.25	2.85
6NABTRXLG REEL	4327-1005	3/8	B	150	800	1.25	.03
6NABTRXREEL	4327-0127	3/8	B	150	800	1.25	.03
6NABTWXREEL	4327-0110	3/8	B	150	800	1.25	.03
6NABTY X100FT	4327-0074	3/8	B	150	800	1.25	2.85
6NABTYXREEL	4327-0111	3/8	B	150	800	1.25	.03
8NABTA X100FT	4327-0055	1/2	B	150	760	2.0	3.90
8NABTAXREEL	4327-0112	1/2	B	150	760	2.0	.04
8NABTB X100FT	4327-0070	1/2	B	150	760	2.0	4.10
8NABTBXREEL	4327-0133	1/2	B	150	760	2.0	.04
8NABTG X100FT	4327-0060	1/2	B	150	760	2.0	4.10
8NABTGXREEL	4327-0132	1/2	B	150	720	2.0	.04

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL




BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Air Brake Nylon Tubing

### Continued

HOSE	Description	Product No.	Tube O.D. (in)	Reinforcement Type				Weight (Lbs.)
HOSE/CPLG. SELECTION	8NABTO X100FT	4327-0080	1/2	B	150	760	2.0	4.15
G8K COUPLINGS	8NABTR X100FT	4327-0065	1/2	B	150	760	2.0	4.10
	8NABTRXREEL	4327-0131	1/2	B	150	760	2.0	.04
GLOBAL SPIRAL COUPLINGS	8NABTSXREEL	4327-0114	1/2	B	150	760	2.0	.04
	8NABTY X100FT	4327-0075	1/2	B	150	760	2.0	4.20
PCM / PCS FERRULES	10NABTA X50FT	4327-0056	5/8	B	150	720	2.5	3.45
	10NABTAXREEL	4327-0115	5/8	B	150	720	2.5	.08
	10NABTB X50FT	4327-0071	5/8	B	150	720	2.5	3.45
MEGACRIMP COUPLINGS	10NABTG X50FT	4327-0061	5/8	B	150	640	3.5	3.50
	10NABTGXREEL	4327-1006	5/8	B	150	640	3.5	.07
STAINLESS STEEL	10NABTO X50FT	4327-0081	5/8	B	150	720	2.5	3.50
	10NABTOXREEL	4327-0138	5/8	B	150	720	2.5	.08
	10NABTR X50FT	4327-0066	5/8	B	150	720	3.5	3.50
POWER CRIMP COUPLINGS	10NABTRXREEL	4327-1007	5/8	B	150	720	3.5	.03
	10NABTY X50FT	4327-0076	5/8	B	150	720	2.5	3.55
LOC, GL AND GLP COUPLINGS	12NABTA X50FT	4327-0057	3/4	B	150	640	3.0	4.35
	12NABTAXREEL	4327-0116	3/4	B	150	640	3.0	.09
	12NABTB X50FT	4327-0072	3/4	B	150	640	3.0	4.35
POLARSEAL COUPLINGS	12NABTG X50FT	4327-0062	3/4	B	150	640	3.0	4.45
	12NABTO X50FT	4327-0082	3/4	B	150	640	3.0	4.40
POLARSEAL II COUPLINGS	12NABTR X50FT	4327-0067	3/4	B	150	640	3.0	4.30
	12NABTY X50FT	4327-0077	3/4	B	150	640	3.0	4.55
C14 COUPLINGS								

### C14 PTFE Hose - SAE 100R14 Type A - Nonconductive

**Recommended For:** Air compressor discharge, hot oil and fluids, hot and greasy environments.










**Tube:** Type A-Nonconductive white, smooth bore Polytetrafluoroethylene (PTFE). See Hose Stock Characteristics.

**Cover/Reinforcement:** One braid of 300 Series stainless steel wire.

**Temperature Range:** Dynamic: -65°F to +400°F (-54°C to +204°C). Static: -65°F to +450°F (-54°C to +232°C).

**Coupling Recommendation** (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)  
C14 Couplings (Section M)












	Description	Product No.										Standard Pack	Weight (Lbs.)
QUICK DISCONNECT COUPLERS	4C14 X25FT	7752-0425	3/16	.31	1500	6000	2.0	3000	12000	1500	6000	1	2.00
	4C14XCTN	7752-0400	3/16	.31	1500	6000	2.0	3000	12000	1500	6000	400	.08
LIVE SWIVEL	5C14 X25FT	7752-0525	1/4	.38	1500	6000	3.0	3000	12000	1500	6000	1	2.50
	5C14XCTN	7752-0500	1/4	.38	1500	6000	3.0	3000	12000	1500	6000	350	.10
BALL VALVES	6C14 X25FT	7752-0625	5/16	.45	1500	6000	4.0	2500	10000	1500	6000	1	2.75
	6C14XCTN	7752-0600	5/16	.45	1500	6000	4.0	2500	10000	1500	6000	300	.11
ACCESSORIES	8C14 X25FT	7752-0825	13/32	.55	1000	4000	5.3	2000	8000	1000	4000	1	3.00
	8C14XCTN	7752-0800	13/32	.55	1000	4000	5.3	2000	8000	1000	4000	250	.12
EQUIPMENT AND PARTS	10C14 X25FT	7752-1025	1/2	.65	800	3200	6.5	1500	6000	800	3200	1	3.75
	10C14XCTN	7752-1000	1/2	.65	800	3200	6.5	1500	6000	800	3200	200	.15
	12C14 X25FT	7752-1225	5/8	.79	800	3200	7.8	1200	4800	800	2600	1	4.25

**NOTE: Electrostatic Discharge:** Many applications involving PTFE hose do not require a conductive tube. But you must review the potential for electrostatic discharge for every application and be aware that static electricity can be hazardous. In those cases where electrostatic discharge can occur, conductive PTFE hose with a conductive tube (Gates C14CT) is recommended. For more information on electrostatic discharge, refer to Technical Data Section.

## C14 PTFE Hose - SAE 100R14 Type A - Nonconductive

### Continued

Description	Product No.										Standard Pack	Weight (Lbs.)
12C14XCTN	7752-1200	5/8	.79	800	3200	7.8	72°F (22°C)	72°F (22°C)	450°F (232°C)	450°F (232°C)	150	.17
16C14 X25FT	7752-1625	7/8	1.03	800	3500	9.0	1000	4000	800	2200	1	6.75
16C14XCTN	7752-1600	7/8	1.03	800	3500	9.0	1000	4000	800	2200	100	.27

**NOTE: Electrostatic Discharge:** Many applications involving PTFE hose do not require a conductive tube. But you must review the potential for electrostatic discharge for every application and be aware that static electricity can be hazardous. In those cases where electrostatic discharge can occur, conductive PTFE hose with a conductive tube (Gates C14CT) is recommended. For more information on electrostatic discharge, refer to Technical Data Section.

## C14CT PTFE Hose - SAE 100R14 Type B - Conductive

**Recommended For:** Air compressor discharge, hot oil and fluids, hot and greasy environments.

**Tube:** Type B-Conductive black/white smooth bore Polytetrafluoroethylene (PTFE). See Hose Stock Characteristics.










**Cover/Reinforcement:** One braid of 300 Series stainless steel wire.

**Temperature Range:** Dynamic: -65°F to +400°F (-54°C to +204°C). Static: -65°F to +450°F (-54°C to +232°C).

**Coupling Recommendation** (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)

C14 Couplings (Section M)



Description	Product No.										Standard Pack	Weight (Lbs.)
6C14CT X25FT	7752-3625	5/16	.45	1500	6000	4.0	2500	10000	1500	6000	1	2.75
6C14CTXCTN*	7752-3600	5/16	.45	1500	6000	4.0	2500	10000	1500	6000	300	.11
8C14CT X25FT	7752-3825	13/32	.55	1000	4000	5.3	2000	8000	1000	4000	1	3.00
8C14CTXCTN*	7752-3800	13/32	.55	1000	4000	5.3	2000	8000	1000	4000	250	.12

\*Type B-Conductive Tube.

**NOTE: Electrostatic Discharge:** Many applications involving PTFE hose do not require a conductive tube. But you must review the potential for electrostatic discharge for every application and be aware that static electricity can be hazardous. In those cases where electrostatic discharge can occur, conductive PTFE hose with a conductive tube (Gates C14CT) is recommended. For more information on electrostatic discharge, refer to Technical Data Section.

### HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBAL SPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC. GL AND GLP COUPLINGS

POLAR SEAL COUPLINGS

POLAR SEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

## TH8 Hydraulic Hose - SAE 100R8 Thermoplastic

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

**Recommended For:** Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH8 hose meets or exceeds performance requirements of SAE 100R8 with a significantly tighter bend radius. Multiline available.

**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

**Reinforcement:** Polyester.

**Cover:** Black Urethane resists hydraulic fluids, high temperatures, aging and weathering. Black TH8 cover is perforated for use in general hydraulic and pneumatic service.

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (-4 through -16) (Section G)

Swage PCTS Couplings (-3 only) (Section N)



Description	Product No.						Standard Pack	Weight (Lbs.)
3TH8XCTN	4467-1178	3/16	.50	5000	20000	1.5	250	.10
4TH8 X50FT	4467-1180	1/4	.61	5000	20000	2.0	1	7.80
4TH8XCTN	4467-1179	1/4	.61	5000	20000	2.0	250	.13
6TH8 X50FT	4467-1182	3/8	.75	4000	16000	2.5	1	10.40
6TH8XCTN	4467-1181	3/8	.75	4000	16000	2.5	250	.17
8TH8 X50FT	4467-1202	1/2	.87	3500	14000	4.0	1	11.20
8TH8XCTN	4467-1183	1/2	.87	3500	14000	4.0	250	.22
12TH8XCTN	4467-1184	3/4	1.13	2250	9000	6.5	200	.32
16TH8XCTN	4467-1185	1	1.45	2000	8000	10.0	200	.46

## TH8NC Non Conductive Hydraulic Hose - SAE 100R8 Thermoplastic

**Recommended For:** Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH8NC hose (orange cover) meets SAE 100R8 non-conductivity requirements. TH8NC hose meets or exceeds performance requirements of SAE 100R8 with a significantly tighter bend radius. Multiline available.

**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

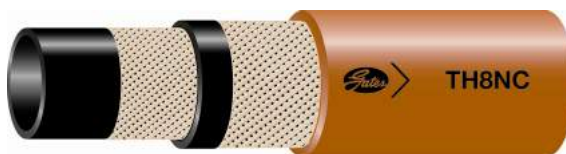
**Reinforcement:** Polyester.

**Cover:** Orange Urethane resists hydraulic fluids, high temperatures, aging and weathering. TH8NC is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R8 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose).

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4TH8NC X50FT	4467-1187	1/4	.61	5000	20000	2.0	40	7.34
4TH8NCXCTN	4467-1186	1/4	.61	5000	20000	2.0	250	.12
6TH8NC X50FT	4467-1203	3/8	.75	4000	16000	2.5	1	9.20
6TH8NCXCTN	4467-1204	3/8	.75	4000	16000	2.5	250	.18
8TH8NC X50FT	4467-1190	1/2	.87	3500	14000	4.0	20	12.80
8TH8NCXCTN	4467-1189	1/2	.87	3500	14000	4.0	250	.21

## TH7 Hydraulic Hose - SAE 100R7 Thermoplastic

**Recommended For:** Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH7 hose meets or exceeds performance requirements of SAE 100R7 with a significantly tighter bend radius.

**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

**Reinforcement:** Synthetic fiber.

**Cover:** Black Urethane that resists hydraulic fluids, high temperatures, aging and weathering. Black TH7 is perforated for use in general hydraulic and pneumatic service.






**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation** (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)

MegaCrimp® Couplings (Section G)

Swage PCTS Couplings (-2 and -3) (Section N)



Description	Product No.						Standard Pack	Weight (Lbs.)
2TH7XCTN	4467-1154	1/8	.32	3000	12000	.5	250	.04
3TH7XCTN	4467-1155	3/16	.41	3000	12000	.8	250	.05
4TH7 X50FT	4467-1195	1/4	.50	2750	11000	1.5	40	5.20
4TH7XCTN	4467-1157	1/4	.50	2750	11000	1.5	250	.07
5TH7 X50FT	4467-1160	5/16	.56	2500	10000	2.25	1	6.20
5TH7XCTN	4467-1159	5/16	.56	2500	10000	2.25	250	.09
6TH7 X50FT	4467-1162	3/8	.64	2250	9000	2.75	1	6.80
6TH7XCTN	4467-1161	3/8	.64	2250	9000	2.75	250	.11
8TH7XCTN	4467-1207	1/2	.80	2000	8000	3.75	250	.17
12TH7 X50FT	4467-1193	3/4	1.05	1250	5000	5.0	1	12.30
12TH7XCTN	4467-1165	3/4	1.05	1250	5000	5.0	200	.24
16TH7 X50FT	4467-1197	1	1.32	1000	4000	10.0	1	13.70
16TH7XCTN	4467-1196	1	1.32	1000	4000	10.0	200	.25

## TH7NC Non Conductive Hydraulic Hose - SAE 100R7 Thermoplastic

**Recommended For:** Petroleum and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. Orange color TH7NC meets SAE 100R7 non-conductivity requirements and meets or exceeds performance requirements of SAE 100R7 with a significantly tighter bend radius. Meets ANSI A92.2 for vehicle mounted aerial devices (-4 to -8).

**Tube:** -2, -12, and -16: 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol; -3 through -8 Polyester. See Hose Stock Characteristics.

**Reinforcement:** Synthetic fiber (except -2).

**Cover:** Orange Urethane that resists hydraulic fluids, high temperatures, aging and weathering. Orange TH7NC is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R7 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose).

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation** (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)

MegaCrimp® Couplings (Section G)

Swage PCTS Couplings (-2 and -3) (Section N)



Description	Product No.						Standard Pack	Weight (Lbs.)
2TH7NCXCTN	4467-1166	1/8	.32	3000	12000	.5	250	.02

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES






ACCESSORIES

EQUIPMENT AND  
PARTS



## TH7NC Non Conductive Hydraulic Hose - SAE 100R7 Thermoplastic

### Continued

HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
HOSE/CPLG. SELECTION	3TH7NC X50FT	4467-1205	3/16	.41	3000	12000	.8	1	4.00
	3TH7NCXCTN	4467-1167	3/16	.41	3000	12000	.8	250	.05
G8K COUPLINGS	4TH7NC X50FT	4467-1170	1/4	.50	2750	11000	1.5	1	4.90
	4TH7NCXCTN	4467-1169	1/4	.50	2750	11000	1.5	250	.07
GLOBAL SPIRAL COUPLINGS	5TH7NC X50FT	4467-1172	5/16	.56	2500	10000	2.25	1	6.20
	5TH7NCXCTN	4467-1171	5/16	.56	2500	10000	2.25	250	.09
PCM / PCS FERRULES	6TH7NC X50FT	4467-1174	3/8	.64	2250	9000	2.75	1	6.60
	6TH7NCXCTN	4467-1173	3/8	.64	2250	9000	2.75	250	.11
MEGACRIMP COUPLINGS	8TH7NC X50FT	4467-1206	1/2	.80	2000	8000	3.75	40	12.25
	8TH7NCXCTN	4467-1175	1/2	.80	2000	8000	3.75	250	.17
STAINLESS STEEL	12TH7NC X50FT	4467-1200	3/4	1.05	1250	5000	5.0	20	13.60
	12TH7NCXCTN	4467-1177	3/4	1.05	1250	5000	5.0	200	.22
POWER CRIMP COUPLINGS	16TH7NC X50FT	4467-1199	1	1.32	1000	4000	10.0	1	16.92
	16TH7NCXCTN	4467-1198	1	1.32	1000	4000	10.0	200	.34

## TH7DL Dual Line Hydraulic Hose - SAE 100R7 Thermoplastic

**Recommended For:** Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH7DL hose meets or exceeds performance requirements of SAE 100R7 with significantly tighter bend radius.

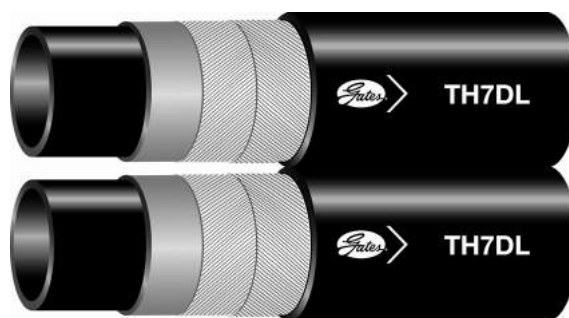
**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.






**Reinforcement:** Synthetic fiber.

**Cover:** Black Urethane that resists hydraulic fluids, high temperatures, aging and weathering. Black TH7DL is perforated for use in general hydraulic and pneumatic service.

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**  
MegaCrimp® Couplings (Section G)



HOSE	Description	Product No.						Standard Pack	Weight (Lbs.)
SURELOK AIR BRAKE COUPLINGS	4TH7DLXCTN	4472-0220	1/4	.50	2750	11000	1.5	250	.15
	5TH7DL X50FT	4472-0222	5/16	.56	2500	10000	2.25	1	11.40
ADAPTERS	5TH7DLXCTN	4472-0221	5/16	.56	2500	10000	2.25	250	.19
	6TH7DLXCTN	4472-0223	3/8	.64	2250	9000	2.75	250	.21
QUICK DISCONNECT COUPLERS	8TH7DLXCTN	4472-0224	1/2	.80	2000	8000	3.75	250	.32
LIVE SWIVEL									
BALL VALVES									
ACCESSORIES									
EQUIPMENT AND PARTS									

## TH7NCDL Non Conductive Dual Line Hydraulic Hose - SAE 100R7 Thermoplastic

**Recommended For:** Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. Orange color TH7NCDL meets SAE 100R7 non-conductivity requirements and meets or exceeds performance requirements of SAE 100R7 with significantly tighter bend radius. Meets ANSI A92.2 for vehicle mounted aerial devices (-3 and -8).

**Tube:** Polyester.

**Reinforcement:** Synthetic fiber.

**Cover:** Orange Urethane that resists hydraulic fluids, high temperatures, aging and weathering. Orange TH7NCDL is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R7 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose.)

**Temperature Range:** -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**  
MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4TH7NCDLXCTN	4472-0225	1/4	.50	2750	11000	1.5	250	.16
6TH7NCDL X50FT	4472-0228	3/8	.64	2250	9000	2.75	1	13.00
6TH7NCDLXCTN	4472-0227	3/8	.64	2250	9000	2.75	250	.22
8TH7NCDLXCTN	4472-0229	1/2	.80	2000	8000	3.75	250	.32

## TH18 Constant Pressure Hydraulic Hose - SAE 100R18 Thermoplastic

**Recommended For:** TH18 hose meets or exceeds performance requirements of SAE 100R18 with a significantly tighter bend radius. Suitable for petroleum or synthetic-based hydraulic fluids in hydraulic systems. TH18 is ideal for industrial and agricultural applications exposed to low temperatures or cyclic and quick temperature changes. Remains highly flexible in cold weather conditions and is resistant to hydraulic fluids, high temperatures, aging and weathering.

**Tube:** Polyester elastomer.

**Reinforcement:** Synthetic fiber.

**Cover:** Black Urethane perforated.

**Temperature Range:** -67°F to +212°F (-55°C to +100°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water-based fluids.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**  
MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4TH18XCTN	4467-0006	1/4	.48	3000	12000	1.4	250	.08
5TH18XCTN	4467-0007	5/16	.56	3000	12000	1.8	250	.10
6TH18XCTN	4467-0008	3/8	.65	3000	12000	1.8	250	.14
8TH18XCTN	4467-0009	1/2	.89	3000	12000	2.8	250	.22
10TH18XCTN	4467-0010	5/8	1.03	3000	12000	3.9	250	.29

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## TH18NC Constant Pressure Non Conductive Hydraulic Hose - SAE 100R18 Thermoplastic

### HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

**Recommended For:** TH18NC hose meets or exceeds performance requirements of SAE 100R18 with a significantly tighter bend radius. Suitable for petroleum or synthetic-based hydraulic fluids in hydraulic systems. TH18NC non-conductive hose are suitable for use in high-voltage applications. Remains highly flexible in cold weather conditions and is resistant to hydraulic fluids, high temperatures, aging and weathering.

**Tube:** Polyester elastomer.

**Reinforcement:** Synthetic fiber.

**Cover:** Special Urethane, orange (industry-accepted color for non-conductive hose), non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R18 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75kV/ft for five minutes.

**Temperature Range:** -67°F to +212°F (-55°C to +100°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water-based fluids.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4TH18NCXCTN	4467-0011	1/4	.48	3000	12000	1.4	250	.08
5TH18NCXCTN	4467-0012	5/16	.56	3000	12000	1.8	250	.10
6TH18NCXCTN	4467-0013	3/8	.65	3000	12000	1.8	250	.13
8TH18NCXCTN	4467-0014	1/2	.89	3000	12000	2.8	250	.22
10TH18NCXCTN	4467-0015	5/8	1.03	3000	12000	3.9	250	.29

## PolarSeal® Hose Refrigerant

SAE J51, Type A2 Dimensions; SAE J51, Type D Performance; SAE J2064, Type C, Class II Performance.

**Recommended For:** Liquid and gaseous R134a and R12 refrigerants in automotive air conditioning and industrial systems; i.e., tractors, construction trucks, mobile and stationary refrigeration units. Designed to minimize permeation of R134a refrigerant.

**Tube:** Black, synthetic rubber (Chloroprene - Type A). See Hose Stock Characteristics.

**Reinforcement:** Two layers of spiral polyester.

**Cover:** Black synthetic rubber (EPDM). See Hose Stock Characteristics.

**Temperature Range:** -22°F to +257°F (-30°C to +125°C).

**Barrier:** Nylon liner.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

PolarSeal® Couplings (Section K)



Description	Product No.							Standard Pack	Weight (Lbs.)
6AC134A X25FT	3353-0901	5/16	.75	500	2000	2.0	24	108	4.98
6AC134AXREEL	3353-0903	5/16	.75	500	2000	2.0	24	340	.20
8AC134A X25FT	3353-0906	13/32	.91	500	2000	3.0	24	52	6.97
8AC134AXREEL	3353-0908	13/32	.91	500	2000	3.0	24	235	.28
10AC134A X25FT	3353-0911	1/2	1.00	500	2000	4.0	24	36	8.00
10AC134AXREEL	3353-0913	1/2	1.00	500	2000	4.0	24	210	.32
12AC134A X25FT	3353-0916	5/8	1.13	500	2000	5.0	24	36	9.43
12AC134AXREEL	3353-0918	5/8	1.13	500	2000	5.0	24	175	.38

## PolarSeal® II Hose Refrigerant

**Recommended For:** AC systems on School/Transit Busses, RV's, Limos and other heavy equipment that has long run or hard to service AC lines. Liquid and gaseous R134a and R12 refrigerants in automotive air conditioning and industrial systems; i.e., tractors, construction trucks, mobile and stationary refrigeration units. Designed to minimize permeation of R134a refrigerant.

**Tube:** Black, synthetic Elastomeric rubber.

**Reinforcement:** Fabric Braid

**Cover:** Heat, Moisture and Ozone resistant black synthetic Elastomeric cover.






**Temperature Range:** -22°F to +257°F (-30°C to +125°C).

**Barrier:** Nylon liner.

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

PolarSeal® II Coupling (Section L)



Description	Product No.						Standard Pack	Weight (Lbs.)
6ACC-PSII X50FT	3353-5007	5/16	.62	350	1400	1.5	52	5.74
6ACC-PSIIXREEL	3353-5006	5/16	.62	350	1400	1.5	500	.12
8ACC-PSII X50FT	3353-5009	13/32	.74	350	1400	2.0	36	7.32
8ACC-PSIIXREEL	3353-5008	13/32	.74	350	1400	2.0	500	.14
10ACC-PSII X50FT	3353-5011	1/2	.83	350	1400	2.5	22	8.38
10ACC-PSIIXREEL	3353-5010	1/2	.83	350	1400	2.5	300	.18
12ACC-PSII X50FT	3353-5013	5/8	.96	350	1400	3.0	14	13.20
12ACC-PSIIXREEL	3353-5012	5/8	.96	350	1400	3.0	250	.25
16ACC-PSII X50FT	3353-5017	7/8	1.23	350	1400	1.4	1	19.70
16ACC-PSIIXREEL	3353-5016	7/8	1.23	350	1400	1.4	100	.35

**NOTES**

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## SEVEN EASY STEPS FOR SELECTING THE PROPER HOSE

An effective way to remember hose selection criteria is to remember the word...

### STAMPED

- S** = Size
- T** = Temperature
- A** = Application
- M** = Material to be conveyed
- P** = Pressure
- E** = Ends or couplings
- D** = Delivery [volume and velocity]

### 1. Hose Size (Dash Numbers)

The inside diameter of the hose must be adequate to keep pressure loss to a minimum and avoid damage to the hose due to heat generation or excessive turbulence. See hose sizing Nomographic Chart.

To determine the replacement hose size, read the layline printed on the side of the original hose. If the original hose layline is painted over or worn off, the original hose must be cut and the inside diameter measured for size.

**NOTE: Before cutting an original hose assembly, measure the overall assembly length and fitting orientation. These measurements will be required to build the replacement assembly.**

The hydraulics industry has adopted a measuring system called Dash Numbers to indicate hose and coupling size. The number which precedes the hose or coupling description is the dash size [see table]. This industry standard number denotes hose I.D. in sixteenths of an inch. [The exception to this is the SAE100R5 hose C5CXH, C5C, C5D, C5E, C5M as well as, C14 and AC134a, where dash sizes denote hose I.D. equal to equivalent tube O.D.] See chart to the right. Hose O.D. can be a critical factor when hose routing clamps are used or hose are routed through bulkheads. Check individual hose specification tables for O.D.'s.

Dash No.	Hose I.D.			
	All Except C5 Series, C14 and AC134a		C5 Series, C14 and AC134a	
	Inches	Millimeters	Inches	Millimeters
-2	1/8	3.2	--	--
-3	3/16	4.8	--	--
-4	1/4	6.4	3/16	4.8
-5	5/16	7.9	1/4	6.4
-6	3/8	9.5	5/16	7.9
-8	1/2	12.7	13/32	10.3
-10	5/8	15.9	1/2	12.7
-12	3/4	19.0	5/8	15.9
-14	7/8	22.2	--	--
-16	1	25.4	7/8	22.2
-20	1-1/4	31.8	1-1/8	28.6
-24	1-1/2	38.1	1-3/8	34.9
-32	2	50.8	1-13/16	46.0
-36	2-1/4	57.6	--	--
-40	2-1/2	63.5	2-3/8	60.3
-48	3	76.2	--	--
-56	3-1/2	88.9	--	--
-64	4	101.6	--	--
-72	4-1/2	115.2	--	--

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



# Selecting the Proper Hose

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## 2. Temperature

When selecting a replacement assembly, two areas of temperature must be considered. These are fluid temperature and ambient temperature. The hose selected must be capable of withstanding the minimum and maximum temperature seen by the system. Care must be taken when routing near hot manifolds and in extreme cases a heat shield may be advisable.

See the Gates Hydraulic Hose Selection Guide; Hose Specification Pages; and/or the Additional Temperature Limits for Gates Hydraulic Hose Chart for temperature ranges and limits for water, water/oil emulsions and water/glycol solutions.

## 3. Application

Determine where or how the replacement hose or assembly is to be used. Most often only a duplicate of the original hose will have to be made. To fulfill the requirements of the application, additional questions may need to be answered, such as:

- > Where Will Hose be Used?
- > Fluid and/or Ambient Temperature?
- > Hose Construction?
- > Equipment Type?
- > Fluid Compatibility?
- > Thread End Connection Type?
- > Working and Surge Pressures?
- > Environmental Conditions?
- > Permanent or Field Attachable Couplings?
- > Suction Application?
- > Routing Requirements?
- > Thread Type?
- > Government and Industry Standards Being Met?
- > Unusual Mechanical Loads?
- > Minimum Bend Radius?
- > Non-Conductive Hose Required?
- > Excessive Abrasion?

## 4. Material to be Conveyed

Some applications require specialized oils or chemicals to be conveyed through the system. Hose selection must ensure compatibility of the hose tube, cover, couplings and O-rings with the fluid used. Additional caution must be exercised in hose selection for gaseous applications such as refrigerants and LPG.

**NOTE: All block type couplings contain nitrile O-rings which must be compatible with the fluids being used.**

## 5. Pressure

Most important in the hose selection process is knowing system pressure, including pressure spikes. Published working pressures must be equal to or greater than the system pressure. Pressure spikes greater than the published working pressure will shorten hose life and must be taken into consideration. Gates **DOES NOT** recommend using hose on applications having pressure spikes greater than published working pressures of the hose.

## 6. Ends of Couplings

Identify end connections using Gates coupling templates and measuring tools or Coupling Identification section. Once thread ends have been identified, consult the appropriate section of the catalog for specific part number selection.

## 7. Delivery (Volume and Velocity)

If the same I.D. of the original hose is used, assume the system is properly sized to efficiently transport fluid. If the system is new or altered, determine the hose I.D. needed to transport required fluid volume flow by using the Nomographic Chart.

# Type Approval and Hose Selection Guide

Hose Types	DNV-GL			ABS			USCG		
	Sizes		Couplings	Sizes		Couplings	Sizes		Couplings
	From	To		From	To		From	To	
EFG6K	-6	-32	GS / GSH / GSM	-6	-32	GS (6-20) GSM (24-32)	-6	-32	GS (6-20) GSM (24,32) S-SS (6, 8, 10)
EFG5K	-6	-32	GS / GSH / GSM	-10	-32	GS (6-20) GSM (24-32)	-6	-32	GS (6-20) GSM (24,32) S-SS (6, 8, 10)
EFG4K	-6	-20	GS	-6	-16	GS	-6	-16	GS
EFG3K	-20	-32	GS / GSP	-20	-32	GS	-20	-20	S-SS (6, 8, 10, 16)
M6K	-4	-4	G						HF
M5K	-4	-8	G						
M4K	-4	-16	G & GS	-4	-12	G & GS	-4	-16	HF (GS) H (GSM) H (S-SS)
M3K	-4	-16	G	-4	-16	G	-4	-16	HF (GS) H (S-SS)
M2T	Expected Spring 2015			-4	-16	B-SS & G	-4	-16	HF
G2XH							-6	-16	H
G2	-4	-32	G (4 - 20) GSP (24 - 32)	-4	-32	G (4 - 20) GSP (24 - 32)	-3	-32	H
G1H							-4	-16	H (4) HF (6,8,12,16)
G1	-4	-32	G (4 - 20) GSP (24 - 32)	-4	-32	G (4 - 20) GSP (24 - 32)	-3	-32	H
C5CXH							-5	-20	HF
C5M				-5	-16	PCSS / C5	-5	-16	HF
GMV (w/ fire sleeve)	GMV Expected Spring 2015			-12	-64	GL (12-64) G (12-20)	-12	-64	H (G) HF (GL) HF (G4H)
G4H (w/ fire sleeve)				-12	-20	GL			

NOTE: This chart is subject to change. If the information you need is not shown contact Gates Product Application.

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Characteristics of Hose Stock Types

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

The characteristics shown below are for the normal or usual range of these specific stocks. Stocks can be changed somewhat through different compounding to meet the requirements of specialized applications.

Tube and cover stocks may occasionally be upgraded to take advantage of improved materials and technology.

For detailed information on a specific hose tube or cover stock, check the Chemical Resistance Table and also the specific hose page.

	Polychloroprene Type A	Nitrile Type C	Nylon Type Z	CSM Type M	EPDM Type P	CPE Type J	PTFE Type T
Flame Resistance	Very Good	Poor	Good	Good	Poor	Good	Good
Petroleum Base Oils	Good	Excellent	Good to Excellent	Good	Poor	Very Good	Excellent
Diesel Fuel	Fair to Good	Good to Excellent	Good to Excellent	Good	Poor	Good	Excellent
Resistance to Gas Permeation	Good	Good	Good To Excellent	Good to Excellent	Fair to Good	Good	Good to Excellent
Weather	Good to Excellent	Poor	Excellent	Very Good	Excellent	Good	Excellent
Ozone	Good to Excellent	Poor for Tube; Good For Cover	Excellent	Very Good	Outstanding	Good	Excellent
Heat	Good	Good	Good	Very Good	Excellent	Excellent	Excellent
Low Temperature	Fair to Good	Poor to Fair	Excellent	Poor	Good to Excellent	Good	Excellent
Water-Oil Emulsions	Excellent	Excellent	Good to Excellent	Good	Poor	Excellent	Excellent
Water/Glycol Emulsions	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Diesters	Poor	Poor	Excellent	Fair	Excellent	Very Good	Excellent
Phosphate Esters	Fair (For Cover)	Poor	Excellent	Fair	Very Good	Very Good	Excellent
Phosphate Ester Base Emulsions	Fair (For Cover)	Poor	Excellent	Fair	Very Good	Very Good	Excellent

## COVER ABRASION RESISTANCE

These comparisons are based on test results per ISO 6945 abrasion testing. The table shows the expected number of times of extended cover service life as compared to a standard cover.

	Modified Nitrile [Standard cover]	Nylon Sleeve	XtraTuff™	MegaTuff®
Relative Abrasion Resistance	1	15 X Standard Cover	25 X Standard Cover	300 X Standard Cover

# Gates Hydraulic Hose Selection Guide

Standard Industry Specification	Gates Description	Construction [Reinforcement]	Use	Stock			
				Tube		Cover	
				Name	Type	Name	Type
Gates Proprietary Design	G8K	6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils	Polychloroprene	A	Polychloroprene	A
ISO 3862 R15 SAE 100R15 EN 856 TYPE 4SP/4SH	EFG6K	4&6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Polychloroprene	A
	EFG6K-MTF	4&6-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
ISO 3862 R13 SAE 100R13 EN 856 TYPE 4SP/4SH	EFG5K	4&6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Polychloroprene	A
	EFG5K-MTF	4&6-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
ISO 3862 R12 SAE 100R12 EN 856 Type 4SP ++	EFG4K	4&6-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Polychloroprene	A
	EFG4K-MTF	4&6-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
ISO 3862 R12 SAE 100R12 EN 856 Type 4SP	EFG3K	4-spiral, wire	Extremely High Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	Polychloroprene	A
	EFG3K-MTF	4-spiral, wire	Extremely High Abrasion Resistant, Pressure & Impulse Cycle Life, High Temperature, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
Gates Proprietary Design	M-XP	2-braid, wire	Extremely High Pressure & Impulse Cycle Life, High Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile/PVC (4,6) Polychloroprene (8,10,12)	C2 A
Gates Proprietary Design	M6K	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile/PVC	C2
Gates Proprietary Design	M5K	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile/PVC (4,5,6) Polychloroprene (8)	C2 A
Gates Proprietary Design	M5K-XTF	2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	C2
Gates Proprietary Design	M5K-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
ISO 11237 R19 SAE 100R19	M4K	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
	M4K-XTF	2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	C2
	M4K-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
	M4KH	2-braid, wire	High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Polychloroprene	A
	M4KH-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
ISO 11237 R17 SAE 100R17	M3K	1 & 2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile	C2
	M3K-XTF	1 & 2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	C2
	M3K-MTF	1 & 2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
	M3KH	1 & 2-braid, wire	High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Polychloroprene	A
	M3KH-MTF	1 & 2-braid, wire	Extremely High Abrasion Resistant, High Temperature, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
ISO 11237 2SC R16 EN 857 2SC SAE 100R16	M2T®	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	Nitrile/PVC	C2
	M2T®-XTF	2-braid, wire	High Abrasion Resistant, Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	C2
	M2T®-MTF	2-braid, wire	Extremely High Abrasion Resistant, High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	MegaTuff	L
Exceeds ISO 1436 2SC R16 SAE 100R16, EN 857 2SC	CM2TDL-XTF	2-braid, wire	High Pressure, Impulse Cycle Life & Flexibility, Tight Bend Radius, Petroleum Oils, Environmental Fluids	Nitrile	C	XtraTuff	C2
ISO 1436 2SN R2 SAE 100R2 Type AT EN 853 Type 2SN	G2	2-braid, wire	High Pressure, Petroleum Oils & Environmental Fluids	Nitrile	C	Nitrile/PVC	C2
	G2L	2-braid, wire	High Pressure, Low Temperature, Petroleum Oils & Environmental Fluids	Nitrile	C	Polychloroprene	A
	G2H	2-braid, wire	High Pressure, Temperature, Petroleum Oils & Environmental Fluids	Nitrile	C	CSM	M
	G2XH	2-braid, wire	Extremely High Heat, High Pressure, Petroleum Oils & Environmental Fluids	CPE	J	CSM	M
IJ100	J2AT	2-braid, wire	Industrial Jack Hose Applications	Nitrile	C	Nitrile/PVC	C2
IJ100	J2AT-MTF	2-braid, wire	Industrial Jack Hose Applications	Nitrile	C	MegaTuff	L
ISO 1436 1SN R1 SAE 100R1 Type AT EN 853 Type 1SN	G1	1-braid, wire	Medium Pressure, Petroleum Oils & Environmental Fluids	Nitrile	C	Nitrile/PVC	C2
SAE 100R1 Type AT EN 853 Type 1SN	G1H	1-braid, wire	High Temperature, Medium Pressure, Petroleum Oils & Environmental Fluids	Nitrile	C	CSM	M
Gates Proprietary Design	RFS	1-braid, wire	Low Pressure, Powder Fire Suppressant Applications	Nitrile	C	Nitrile	C2

## HOSE

### HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

# Gates Hydraulic Hose Selection Guide

## - Continued

HOSE								
HOSE/CPLG. SELECTION	Standard Industry Specification	Gates Description	Construction (Reinforcement)	Use	Stock			
					Tube		Cover	
					Name	Type	Name	Type
G8K COUPLINGS	SAE J1405 SAE J1402/DOT*** SAE100R2****	MegaTech® G5TB	1 & 2-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils	CPE	J	Textile	—
GLOBAL SPIRAL COUPLINGS		MegaTech® II	2-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils	CPE	J	Textile	—
PCM / PCS FERRULES		MegaTech® 1000	1-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils, Air Brake	CPE	J	Textile	—
MEGACRIMP COUPLINGS		MegaTech® 500	1-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils	CPE	J	Textile	—
		MegaTech® 250	1-braid, wire, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils, Transmission Oil Cooler	CPE	J	Textile	—
		MegaTech® LOC	1-braid, textile	Extremely High Heat, Hot Oil Pressure & Return Lines, High Temperature Rotary Oil/Air, Air Compressor, Petroleum Oils, Transmission Oil Cooler	CPE	J	Textile	—
	SAE 100R3 EN 854 TYPE R3	G3H	2-braid, textile	Petrol. Oils, Antifreeze, Water, High Temperature	Nitrile	C	Polychloroprene	A
STAINLESS STEEL	SAE 100R6 EN 854 TYPE R6	GTH	1-braid, textile	Petrol. Oils, Antifreeze, Water, High Temperature	Nitrile	C	Polychloroprene	A
	SAE 100R6 EN 854 TYPE R6	GTHX	1-spiral, textile	Petrol. Oils, Antifreeze, Water, High Temperature	Nitrile	C	Polychloroprene	A
POWER CRIMP COUPLINGS	SAE 100R4	G4H	2-spiral, textile, helical wire	Return & Suction High Temperature	Nitrile	C	Polychloroprene	A
	SAE 100R4	GMV	2-spiral, textile, helical wire	Return & Suction High Temperature	Nitrile	C	Polychloroprene	A
LOC, GL AND GLP COUPLINGS	SAE 30R2 Type 1 & 2, B20 Biodiesel	RLA	1-braid, textile	Return & Suction Low Pressure, Biodiesel up to 125°F	Nitrile	C	Nitrile/PVC	C2
	Gates Proprietary Design	RLC	3-braid, textile	Return & Low Pressure	Nitrile	C	Nitrile/PVC	C2
POLARSEAL COUPLINGS	SAE 30R2, SAE 30R6, SAE 30R7 and B20 Biodiesel	LOC	1-braid, textile	Petrol, Oils, Antifreeze, Water, Air & Biodiesel up to 125°F	Nitrile	C	Textile	—
POLARSEAL II COUPLINGS	Gates Proprietary Design	LOL	1-braid, textile	Petrol, Oils, Antifreeze, Water & Air	Nitrile	C	***	A/C2
	SAE J1402, DOT FMVSS106-74	TR500	2-braid, wire, textile	Petrol & Syn. Fluids, Air Brakes	Nitrile	C	Textile	—
C14 COUPLINGS	SAE 100R5, DOT FMVSS106-74, Type All	*C5C	3-braid, T-W-T	Petr. Oil, Air Brake, Power Steering	*Nitrile	C	Textile	—
PCTS THERMOPLASTIC COUPLINGS	SAE J1402, DOT FMVSS106-74, Type All	C5D	3-braid, T-W-T	Petrol & Syn. Fluids, Air Brakes	CPE	J	Textile	—
	SAE J1527, SAE J1942, ISO 7840	C5M	1-braid, wire	Marine Fuel & Oil	Nitrile	C	Nitrile/PVC	C2
FIELD ATTACHABLE G1 & G2 COUPLINGS	DOT FMVSS106-74, Type All	C5E	3-braid, T-W-T	Air Brake, Power Steering, Lube	Nitrile	C	Textile	—
PTFE								
	SAE 100R14	C14	1-braid, stainless steel	High Temperature, Multi Fluid, Nonconductive	PTFE	T	Stainless Steel	—
FIELD ATTACHABLE C5 & C5E COUPLINGS	SAE 100R14	C14CT	1-braid, stainless steel	High Temperature, Multi Fluid, Conductive	PTFE	T	Stainless Steel	—
Thermoplastic								
	SAE 100R7	TH7	1-braid, polyester	Petroleum & Synthetic Fluids	Nylon	Z	Urethane	U
	SAE 100R7	TH7NC/TH7NCDL	1-braid, polyester	Non-conductive	Nylon	Z	Urethane	U
SURELOK AIR BRAKE COUPLINGS	SAE 100R7	TH7DL	1-braid, polyester	Petroleum & Synthetic Fluids, Dual Line	Nylon	Z	Urethane	U
	SAE 100R7	TH7NCDL	1-braid, polyester	Non-conductive, Dual Line	Nylon	Z	Urethane	U
	SAE 100R8	TH8	2-braid, Polyester	Petroleum & Synthetic Fluids	Nylon	Z	Urethane	U
	SAE 100R8	TH8NC	2-braid, Polyester	Non-conductive	Nylon	Z	Urethane	U
ADAPTERS	SAE 100R18	TH18	1-braid, Synthetic Fiber	Petroleum & Synthetic Fluids	Polyester	—	Urethane	U
QUICK DISCONNECT COUPLERS	SAE 100R18	TH18NC	2-braid, Synthetic Fiber	Non-conductive	Polyester	—	Urethane	U
Refrigerant								
	SAE J51 Type All Dimensions/ Type D Performance, J2064, Type C, Class II Performance	PolarSeal® AC134a	Nylon barrier, 2-spiral, Polyester	Air Conditioning (R12 and R134a)	Polychloroprene	A	EPDM	P
LIVE SWIVEL								
BALL VALVES	SAE J2064 Type C, Class I	PolarSeal® ACC-PSII		Reduced Barrier Construction, Air Conditioning (R12, R13A and R22)	Elastomeric/ Nylon	-	Elastomeric	-
ACCESSORIES	* -4 and -5 sizes have a Neoprene tube, ***MegaTech1000 sizes -4, 6, -8, -10, ****MegaTech II, ++ -16 & -20 EFG4K							
EQUIPMENT AND PARTS								

# Gates Hydraulic Hose Selection Guide

## - Continued

Description	Temp. Range (°F)	Dash Size vs. Rated Working Pressure (psi)															
		-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	-40	-48	-56	-64
G8K	-40 +250								8,000	8,000							
EFG6K	-40 +250					6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000				
EFG6KL	-70 +212								6,000	6,000							
EFG5K	-40 +250					5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000				
EFG5KL	-70 +212								5,000	5,000	5,000	5,000					
EFG4K	-40 +250					4,000	4,000	4,000	4,000	4,000	4,000						
EFG4KL	-70 +212								4,000	4,000	4,000						
EFG3K	-40 +250										3,000	3,000	3,000				
M-XP	-40 +212			4,000		4,000	4,000	4,000	4,000								
M2T®	-40 +212			6,000	5,500	5,000	4,300	3,800	3,500	2,500	2,300	2,000	1,500				
CM2TDL	-40 +212			4,800		4,000											
M6K	-40 +212			6,000													
M5K	-40 +212			5,000	5,000	5,000	5,000										
M4K	-40 +212			4,000	4,000	4,000	4,000	4,000	4,000	4,000							
M4KH	-40 +250			4,000	4,000	4,000	4,000	4,000	4,000								
M4KL	-70 +212			4,000	4,000	4,000	4,000	4,000	4,000	4,000							
M3K	-40 +212	3,250	3,250	3,250	3,250	3,250	3,250	3,250	3,250	3,250							
M3KH	-40 +250	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000							
G2	-40 +212	6,000	5,800			4,800	4,000	3,625	3,100	2,400	1,825	1,300	1,175				
G2H	-40 +275											1,300	1,175				
G2XH	-40 +300			6,000		5,000	4,250	3,625	3,100	2,500	2,250	1,800	1,500				
G2L	-70 +212			5,800		4,800	4,000	3,625	3,100	2,400	1,825	1,300					
J2AT	-40 +120			10,000		10,000											
G1	-40 +212	3,625	3,275	3,125	2,600	2,325	1,900	1,525	1,275	925	725	600					
G1H	-40 +275		2,750		2,250	2,000	1,500	1,250	1,000	625	725	600					
G3H	-40 +275		1,250		1,125	1,000		750	565	375							
GTH	-40 +275	500	400	400		400	400	350	300								
GTHX	-40 +275					400											
G4H	-40 +275								300	250	200						
GMV	-40 +275								300	250	200	162	112	68	62	56	56
RLA	-40 +212	250	250	250	250	200	200	200	160								
RLC	-40 +275								200	200	200	200	150	150	150		
LOC	-40 +250			300		300	300	300	300								
LOL	-40 +212	300	300	300	300	300	300	300	300								
TR500	-40 +250		500			500	500	500	500	500	500						
MegaTech® II	-40 +300										2,250	1,500	1,300				
MegaTech® G5TB	-40 +300			3,000		3,000	3,000	1,000	1,000	1,000	1,000	500	500	500	500		
MegaTech® 3000	-40 +300			3,000		3,000	3,000										
MegaTech® 1000	-40 +300			1,000		1,000	1,000	1,000	1,000	1,000	1,000						
MegaTech® 500	-40 +300											500	500	500	500		
MegaTech® 250	-40 +300			250		250	250	250	250	250	250						
MegaTech® LOC	-40 +300			300		300	300	300	300	300							
C5C	-40 +212			3,000	3,000	2,250	2,000	1,750	1,500	800	625	500	350	350			
C5CXH	-40 +302				3,000	2,250	2,000	1,750	1,500	800	625						
C5D	-40 +300•			1,500	1,500	1,500	1,250	1,250	750	400							
C5M	-40 +212				500	500	500	500	500	500							
C5E	-40 +300•			1,500	1,500	1,500	1,250	1,250	750	400	300						
C14	***			1,500	1,500	1,500	1,000	800	800	800							
C14 (Static)	-62 +72			3,000	3,000	2,500	2,000	1,500	1,200	1,000							
C14CT	***					1,500	1,000										
C14CT (Static)	72					2,500	2,000										
Thermoplastic																	
TH7	-65 +200	2,500	3,000	2,750	2,500	2,250	2,000		1,250	1,000							
TH7NC	-65 +200	2,500	3,000	2,750	2,500	2,250	2,000		1,250	1,000							
TH7DL	-65 +200			2,750	2,500	2,250	2,000										
TH7NCDL	-65 +200			2,750		2,250	2,000										
TH8	-65 +200		5,000	5,000		4,000	3,500		2,250	2,000							
TH8NC	-65 +200			5,000		4,000	3,500										
TH18	-67 +212			3,000	3,000	3,000	3,000	3,000									
TH18NC	-67 +212			3,000	3,000	3,000	3,000	3,000									
Refrigerant																	
PolarSeal® AC134a	-22 +257					500	500	500	500								
PolarSeal® ACC-PSII	-22 +257					350	350	350	350	350							

\*\*\* Dynamic temperatures -65 +400; Static temperatures +73 +450 • All purpose fleet application service — 40°F to +300°F (-40°C to +149°C), air to +250°F



## Additional Temperature Limits For Gates Hydraulic Hose

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

**Caution:** Water, water/oil emulsions and water/glycol solutions must be kept below the temperatures listed in the table below, relative to line pressures.

### MAXIMUM TEMPERATURE LIMITS FOR WATER, WATER/OIL EMULSIONS AND WATER/GLYCOL SOLUTIONS

Hose	Pressure Lines	Return Lines
G8K, EFG6K, EFG5K, EFG4K, EFG3K, G2, G2L, M2T®, M6K, M5K, M4K, M3K, RFS, RLA, C5C, C5E, LOC, LOL	+200°F [+93°C]	+180°F [+82°C]
G2H, G1H, MegaTech® Line, G2XH, C5D, G3H, GTH, G4H, GMV, RLC, TR500, M3KH, M4KH	+225°F [+107°C]	+180°F [+82°C]

**Caution:** The fluid manufacturer's recommended maximum operating temperature for any given fluid must not be exceeded. If different than the above listed hose temperatures, the lower limit must take precedence. Actual service life at temperatures approaching the recommended limit will depend on the particular application and the fluid being used in the hose. Intermittent (up to 10 percent of operating time) refers to momentary temperature surges. Detrimental effects increase with increased exposure to elevated temperatures.

Do NOT expose hose to maximum temperature and maximum rated working pressure at the same time.

## A SUMMARY OF SAE J1273 FEB 2009

### SCOPE

This summary provides guidelines for safety, selection, routing, fabrication, installation, replacement, maintenance, and storage of hose and hose assemblies. These are the recommended practices for hydraulic hose, but are also appropriate for many other hose and systems.

### SAFETY

Safety should be a paramount concern whenever working with a hydraulic system. The fluids conveyed are often at high temperatures and extremely high pressures which present unique dangers.

Hydraulic fluid injuries are generally very severe and may come in several forms. Fluid injections wounds may occur any time there is a leak in a hydraulic system. Never check for leaks or damage to a hydraulic system by feel, the best case scenario with a fluid injection wound is months of painful treatment to recover, addition risks include amputation and death. Due to the high temperatures any time a user is exposed to hydraulic fluids severe burns may result, this exposure may be a result of an assembly failure or even oil released during maintenance. Additionally there is a danger of fire or explosion if a hose fails around a hot engine or exhaust manifold, or if a static discharge takes place in a fluid spray.

Unconstrained hose may whip on pressurization or in the event of failure and are extremely dangerous. Additionally during the release of pressure on the hydraulic system improperly secured booms or other cylinder supported components may drop suddenly.

A sometimes less recognized risk is that of electrical shock. Any equipment used to work around live electrical lines [such as lifts, etc]. Should be equipped with hydraulic hose rated as non-conductive. This is because most hydraulic hose have wire reinforcement and are inherently conductive. Also even when non-conductive hose are used it is important to recognize that hydraulic fluids may also act as conductors.

### HOSE SELECTION

The Gates STAMPED process is the industry accepted standard for hose selection, this process involves determining the following properties:

### SIZE

- > Internal diameter requirements will affect fluid velocity and outside diameter may also sometime be concern for routing purposes. When in doubt match existing specifications.

### TEMPERATURE

- > The maximum recommended hose temperature should never be exceeded, either in the fluid conveyed or on the exterior of the hose. Similarly special hose are available which will maintain flexibility at very low temperatures, always follow manufacturer guidelines.

### APPLICATION

- > Environmental conditions such as ultraviolet light, salt water, air pollutants, temperature, ozone, chemicals, electricity, abrasion and paint application will all negatively impact hose assembly life.
- > Static Discharge can become an issue when non-polar liquids or mixtures including non-polar liquids are conveyed in non-conductive hose. A static charge will build and on discharge perforate the hose tube, to avoid this use conductive tube products when conveying non-polar, or mixtures of non-polar, liquids.
- > Electrical Conductivity of hydraulic hose or conveyed fluids is an issue with equipment used to work around electrical lines. If hydraulic equipment is to be used around electrical lines, always use hydraulic hose rated as non-conductive.
- > The cleanliness requirements of a final hose assembly will be determined by the system it is to be applied too. Always follow the equipment manufacturer's recommended cleanliness standard.
- > Be sure to select products which will meet any regulatory standards required in the application. Examples of these standards would include: SAE, USCG, EN/DIN, ABS, etc.
- > Never place hose in a position where they are pulled on. Hose are designed to hold pressure and convey fluids, exposing them to axial loads will cause premature failure.
- > Any special or unusual applications should always be approved by the hose manufacturer, otherwise additional independent testing may be required.

### MATERIALS

- > Permeation, or effusion, is the movement of a substance through the hose tube walls which may degrade the hose tube, cause cover blistering, or other undesired effects, and must be considered especially when conveying compressed gasses.
- > Be sure to select a hose which is compatible and approved by the manufacturer for the fluid conveyed. Concentration, pressure, temperature and other factors may impact the compatibility of the hose and fluid.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
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ADAPTERS

QUICK  
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## SAE Recommended Practices for Hydraulic Hose Assemblies – Continued

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
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### PRESSURE

- > The maximum working pressure of a hose assembly is the lowest working pressure of any component of the assembly.
- > Hose should be sized with a working pressure equal to or above the maximum pressure encountered in a system. High frequency electronic transducers will be necessary to determine the maximum surge, or impulse, pressure in a system.
- > If a hose assembly will be exposed to suction, be sure it is rated to hold the maximum suction and pressure in that portion of the system.
- > Any time a hose assembly is to be exposed to external pressures, which may exceed the internal hose pressures, be sure to consult the hose manufacturer for recommendations.

### ENDS

- > Always use manufacturer approved couplings for hose assemblies. Be sure to select the appropriate end termination for a system working pressure and other requirements such as vibration resistance.

### DELIVERY

- > Always follow manufacturer recommendations for maximum fluid velocity within a hose. Excessive fluid velocity may cause excessive pressure loss, heat generation, hose movement or whipping, system noise, and hammer effects.

### HOSE ROUTING

Proper attention to good hose routing and application practices will ensure reliable function of hose assemblies. The following is a short list of factors to consider when routing hose.

- > Vibration: Consider vibration requirements when selecting hose and predicting service life. Clamps, dampers, and other mechanisms may be necessary to reduce vibration.
- > Cover protection: Protect the hose cover from abrasion, erosion, snagging, and cutting. Special abrasion-resistant hose and hose guards are available for additional protection. Route the hose to reduce abrasion from hose rubbing other hose or objects that may abrade it.
- > External Physical Abuse: Route hose to avoid tensile [pulling] loads, side loads, flattening, thread damage, kinking, damage to sealing surfaces, abrasion and twisting.
- > Swivel Adapters: Swivel-type fittings or adapters do not transfer torque to hose while being tightened. Use these as needed to prevent twisting during installation.
- > Live Swivels: If two components in the system are rotating in relation to each other, live swivels may be necessary. These connectors reduce the torque transmitted to the hose.

- > Slings and Clamps: Use slings and clamps to support heavy or long hose and to keep it away from moving parts. Use clamps that prevent hose movement that will cause abrasion. Care shall be taken to prevent the sling clamp from abraiding the hose. Avoid over tightening of slings or clamps.
- > MBR: Routing during assembly and use at less than minimum bend radius may reduce hose life. Sharp bending at the hose/fitting juncture may result in leaking, hose rupturing, or the hose assembly blowing apart. A minimum straight length of 1.5 times the hose's outside diameter shall be allowed between the hose fitting and the point at which the bend starts.
- > Elbows and Adapters: Use elbows or adapters to relieve hose strain due to routing.
- > Lengths: Unnecessarily long hose can increase pressure drop and affect system performance. When pressurized, hose that is too short may pull loose from its fittings, or stress the hose fitting connections, causing premature metallic or seal failures.
- > Motion Absorption: Provide adequate hose length to distribute movement and prevent bends smaller than the minimum bend radius.
- > Hose Movement and Bending [multi plane bending]: Hose allows relative motion between system components. Analyze this motion when designing hose systems. The number of cycles per day may significantly affect hose life. Also avoid multiple planes of motion and twisting motion.
- > Hose and machine tolerances: Design hose to allow for changes in length due to machine motion and tolerances.
- > Hose length change due to pressure: Design hose to accommodate length changes from changing pressures. Do not cross or clamp together high- and low-pressure hose. The difference in length changes could wear the hose covers.

### HOSE ASSEMBLY FABRICATION

- > Component inspection: Before creating an assembly be sure to inspect all components to be sure they are the correct product, cut correctly, and do not have any visually identifiable defects.
- > Couplings [compatibility]: Hose fitting components from one manufacturer are not usually compatible with fitting components supplied by another manufacturer. Never mix and match hose and couplings from different manufacturers, unless approved by both parties.
- > Hose assembly equipment [crimpers]: Hose and fittings from one manufacturer should not generally be assembled with the equipment of another manufacturer.

# SAE Recommended Practices for Hydraulic Hose Assemblies – Continued

- > **Safety Equipment:** During fabrication, use proper safety equipment, including eye protection, respiratory protection, and adequate ventilation.
- > **Reuse of Hose and Fittings:** Damaged hose and fittings shall not be used.
  - Never reuse: Field-attachable fittings that have blown or pulled off hose
  - Never reuse: Any part of hose fittings that were permanently crimped or swaged to hose
  - Never reuse: Hose that has been in service
- > **Cleanliness:** Hose assemblies may be contaminated during fabrication. Clean hose to specified cleanliness levels.
- > **Temperature:** The fabrication of hose assemblies should be performed at an ambient temperature over 0°C.
- > **Assembly inspection:** After assembly, hose assemblies shall be inspected for visible defects and interior obstructions.
- > **Marking:** Hose assemblies shall be marked in accordance with any relevant standards.

## HOSE ASSEMBLY INSTALLATION AND REPLACEMENT

- > **Before installation inspect the hose assembly for:**
  - Hose length and routing for compliance with original design
  - Correct style, size, length, and visible nonconformities
  - Coupling sealing surfaces for burrs, nicks, or other damage
- > **Handling during installation:** Handle hose with care during installation. Kinking hose, or bending at less than minimum bend radius may reduce hose life. Avoid sharp bending at the hose/fitting juncture. Before and during installation, hose assemblies should be at a temperature above 0°C.
- > **Twist angle and orientation:** To avoid twisting, which shortens hose life, the hose layline can be used as a reference. Twisting can also be avoided through the use of two wrenches during the installation of swivel connectors.

**Securement and protection:** Install necessary restraints and protective devices. Determine that such devices do not create additional stress or wear points.

**Assembly Torque:** Always follow the manufacturer recommended coupling installation practices, and torque or flats values. Improper installation may result in a leaking connection.

**System Checkouts:** In hydraulic or other liquid systems, eliminate all air entrapment after completing the installation. Follow manufacturers' instructions to test the system for possible malfunctions and leaks.

## MAINTENANCE INSPECTION

As part of regular equipment maintenance, hose assemblies should always be checked for deterioration.

**Frequency:** Evaluate factors such as the nature and severity of the application, past history, and manufacturers' information to establish the frequency of inspections.

**Visual Inspection:** Only visually inspect for leaks. NEVER attempt to feel a leak, which could cause a fluid injection wound. Look for leaks, weeping, hose cracking, deformation, hardening or softening, rust, noise, smells, and any other defect which indicates a hose assembly may require replacement.

## HOSE STORAGE

**Age control:** Store hose in a manner that facilitates age control and first-in, first-out usage based on manufacturing date on hose or hose assembly. Any hose or assembly in storage for more than two years should be visually inspected and proof pressure tested.

**Storage Conditions** will greatly affect hose shelf life, always store hose in the manufacturers' original packaging. Avoid high temperatures, ozone, solvents and their vapors, corrosive [acid or basic] liquids and fumes, rodents, extremes in humidity, ultraviolet light, insects, radiation, strong, electro-magnetic fields, molds, and fungi.

**Basic Testing for Usability:** Flex the hose to the minimum bend radius and compare it with new hose. After flexing, examine the cover and tube for cracks. If any appear, no matter how small, reject the hose.

If the hose is wire reinforced, and the hose is unusually stiff, or a cracking sound is heard during flexing, check for corrosion by cutting away a section of the cover from a sample. Corrosion would be another reason for rejection.

If doubt still persists, contact hose assembler to conduct proof-pressure tests or any other tests needed to verify hose quality.

## REFERENCES

All of the material presented here may be explored in more detail by obtaining the original standards from the appropriate regulatory agency.

## SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

SAE J343 Test and Test Procedures for SAE 100R Series Hydraulic Hose and Hose Assemblies  
 SAE J514 Hydraulic Tube Fittings  
 SAE J517 Hydraulic Hose

## INTERNATIONAL STANDARDS ORGANIZATION (ISO)

ISO 3457 Earth moving machinery—Guards and shields—Definitions and specifications  
 ISO 2230 Rubber products—Guidelines for storage  
 ISO 8331 Rubber and plastics hose and hose assemblies—Guide to selection, storage, use and maintenance

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# Motor Vehicle Safety Standard For Brake Hose

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## DOT FMVSS 106-74

### MOTOR VEHICLE SAFETY STANDARD FOR BRAKE HOSE

Gates has received an increasing number of inquiries about the Department of Transportation (DOT) regulation FMVSS-106 regarding air brake hose. The requirements of the standard were issued by the National Highway Traffic Safety Administration and are published in the Federal Register, 49 Code of Federal Regulations, Part 571 MVSS 106 Brake Hose.

**NOTE: Anyone making brake assemblies must be registered with the Department of Transportation.**

#### WHAT IS FMVSS-106?

The standard is written with specifics on labeling, performance tests, tests procedures, and registration. It is not a standard for design specifications for motor vehicle brake hose, brake hose assemblies, or brake hose end fittings. The Standard No. 106 will ensure that each user of brake hose will be supplied only the highest quality of hose. DOT will conduct random performance testing in accordance with the test procedures to ensure that the hose, couplings, and assemblies meet FMVSS 106.

"The purpose of the standard is to reduce deaths and injuries occurring as a result of brake system failure from pressure or vacuum loss due to hose or hose assembly rupture." The regulations will apply to all over-the-road vehicles including trailers and motorcycles. Off-the-road vehicles will not be regulated if they are designed to operate on those other than public roads.

#### BASIC PROVISIONS OF FMVSS-106.

1. Three types of brake hose are covered [hydraulic, air, and vacuum brake] together with couplings and hose assemblies. At this point, we will only focus on air brake hose and assemblies.
2. Performance level for brake hose is established instead of design specifications.
3. Permanent as well as reusable fittings are permissible with air brake hose. Inside and outside diameters standards for air brake hose intended for use with field attachable couplings have been established. These hose are identified as Type I and Type II.

#### GATES CUSTOMER/ASSEMBLER WITH REGARD TO FMVSS-106.

1. Test [dimensional and pressure] each assembly or per customer's requirements before it is packaged and delivered to the customer.
2. Two of every 100 air brake hose assemblies produced or per customer's requirements are subjected to hydrostatic pressure testing and tensile strength [destructive] testing.

#### LABELING OF AIR BRAKE HOSE.

Any customer crimping air brake assemblies must be registered with the National Traffic Safety Administration [NHTSA].

#### THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA) REQUIRES:

1. Product DOT CERTIFICATION. [Gates Corporation responsibility. The Gates logo is our DOT registration.]
2. Registration of the assembler. [Customer/Distributor responsibility.]\*
3. Permanent assembly identification. [Customer/Distributor responsibility.] Refer to Gates frosted air brake hose labels below.

\* To begin the registration process, please complete the BRAKE HOSE REGISTRATION application form on the following page. You can mail or fax the completed form to the address and number listed on the form.

## FROSTED AIR BRAKE HOSE LABELS

**Product Number: 7484-0023**

**Part Number: 78214**

To assist you in complying with the NHTSA requirement for identifying brake hose assemblies, Gates now offers mylar hose labels.

- > Self-adhesive
- > 1" wide by 3-3/4" long, with a 1-1/2" by 1" white area on one end for printed information
- > Format suitable for typewriters, computer printers or hand writing
- > Accepts 9-10 typed characters per row, 4 or 5 on a row
- > Wrap-around label resists damage from elements

#### LABEL APPLICATION PROCEDURE:

1. Print appropriate information on label.
2. Wrap tag around hose assembly, printed end first.
3. Cover printed end with clear mylar tail of label.

Comes in 500 labels per pack.



# Brake Hose Registration Application

## Brake Hose Assembler/Manufacturer's Plant Information

Plant Contact Name:			
_____	_____	_____	_____
<i>Last</i>	<i>First</i>	<i>Position</i>	
Plant Name: _____			
Business Address: _____			
<i>Street, Suite No., P.O. Box No.</i>			
_____	_____	_____	_____
<i>City</i>	<i>State/Province</i>	<i>Country</i>	<i>Postal Code</i>
Plant Contact Info.: _____			
_____	_____	_____	
<i>Telephone</i>	<i>Facsimile</i>	<i>E-mail</i>	

## Brake Hose Assembler/Manufacturer's Designation Symbol Information (The symbol you will use on your brake hose)

## Brake Hose Assembler/Manufacturer's U.S. Resident as Agent as identified in the separate 49 CFR Part 551 submission (Complete agent information only if this application is for a foreign manufacturer)

Agent Name:			
_____	_____	_____	_____
<i>Last</i>	<i>First</i>		
Business Address: _____			
_____	_____	_____	_____
<i>Street, Suite No., P.O. Box No.</i>	<i>City</i>	<i>State</i>	<i>Zip Code</i>
Agent Contact Info.: _____			
_____	_____		
<i>Telephone</i>	<i>E-mail</i>		

## Application Completed By

_____	_____	_____	_____
<i>Last</i>	<i>First</i>	<i>Date</i>	<i>E-mail</i>

## Instructions For Application Submission

This suggested form will assist a manufacturer to comply with applying for Brake Hose Manufacturer's Identification. Please complete the form by typing or clearly printing. Each manufacturer who has submitted this information must keep its entry current, accurate, and complete by submitting revised information not later than 30 days after the relevant changes in its business occur.

Mail, Fax or E-mail the completed form to:  
Attention: **Vehicle Equipment and Component Coordinator**  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
West Building, Room W45-207  
Washington, DC 20590  
Fax: 202-366-3081

HOSE

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PCM / PCS  
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# Manufacturer and Product Identification

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(Suggested form to comply with 49 CFR Part 566)

## Manufacturer's Information

Submission Type: ☐ Initial ☐ Revision

Full Name of Company: \_\_\_\_\_

All Company DBA's: \_\_\_\_\_

Company Principal Officer: \_\_\_\_\_

Last

First

Position

Company Address: \_\_\_\_\_

Street, Suite, No., P.O. Box No.

City

State/Province

Country

Postal Code

Company Contact Info.: \_\_\_\_\_

Telephone

Facsimile

E-mail

Website

Submitted by Company Official: \_\_\_\_\_

Printed Name

Company Position

Date

Signature

## Your Company Manufactures What Regulated Equipment Items? (Check all that apply)

(Regulated equipment items are only the 13 equipment listed below that are subject to a Federal motor vehicle safety standard)

- ☐ Tires ☐ Rims ☐ Brake hoses ☐ Brake fluid ☐ Seat belts ☐ Lamps, Reflectors, and Assoc. Equip. ☐ Motorcycle Helmets  
☐ Glazing ☐ Child Restraint Systems ☐ Platform Lifts ☐ Rear Impact Guards ☐ Triangular Warning Devices ☐ CNG Containers

## Your Company Manufactures What Types of Vehicles? (Check all that apply)

(Please identify the approximate GVWR (in pounds) in the space provided below)

- ☐ Passenger Cars ☐ Multipurpose Vehicles ☐ Trucks ☐ Low-Speed Vehicles  
GVWR \_\_\_\_\_ to \_\_\_\_\_ GVWR \_\_\_\_\_ to \_\_\_\_\_ GVWR \_\_\_\_\_ to \_\_\_\_\_ GVWR \_\_\_\_\_ to \_\_\_\_\_  
☐ Pole Trailers ☐ Buses (other than School Buses) ☐ School Buses ☐ Motorcycles  
GVWR \_\_\_\_\_ to \_\_\_\_\_ GVWR \_\_\_\_\_ to \_\_\_\_\_ GVWR \_\_\_\_\_ to \_\_\_\_\_ GVWR \_\_\_\_\_ to \_\_\_\_\_  
☐ Trailers  
GVWR \_\_\_\_\_ to \_\_\_\_\_  
☐ Incomplete vehicles - means an assemblage consisting, at a minimum, of chassis (including the frame) structure, power train, steering system, suspension system, and braking system, in the state that those systems are to be part of the completed vehicle, but requires further manufacturing operations to become a completed vehicle. Also means an incomplete trailer. GVWR \_\_\_\_\_ to \_\_\_\_\_

## What Type of Vehicle Manufacturer or Alterer is Your Company? (Check all that apply)

Note: If you are a completed vehicle or incomplete vehicle manufacturer, you must also submit VIN deciphering info under 49 CFR Part 565

- ☐ Completed Vehicle Manufacturer - a manufacturer of vehicles that require no further manufacturing operations to perform their intended function  
☐ Incomplete Vehicle Manufacturer - a manufacturer of incomplete vehicles, as defined above  
☐ Intermediate Manufacturer - a manufacturer (other than the incomplete vehicle manufacturer or the final-stage manufacturer) who performs manufacturing operations on a vehicle manufactured in two or more stages  
☐ Final-Stage Manufacturer - a manufacturer who performs such manufacturing operations on an incomplete vehicle that it becomes a completed vehicle  
☐ Alterer - a person who alters by addition, substitution, or removal of components (other than readily attachable components), a certified vehicle before the first purchase of the vehicle other than for resale

## Instructions for Completing, Revising, and Submitting Your Information

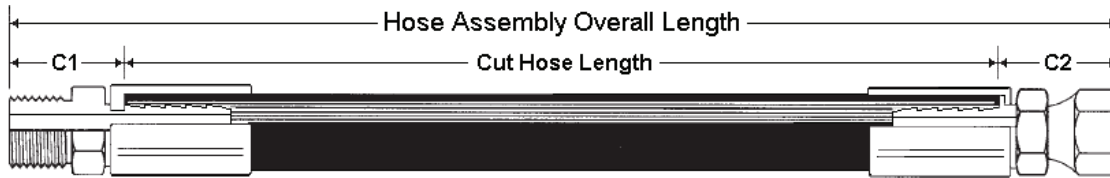
49 CFR Part 566 requires that a manufacturer of motor vehicles and regulated motor vehicles equipment items submit to NHTSA not later than 30 days after manufacturing begins, information about the company and the products it manufactures. This suggested form will assist a manufacturer to comply with Part 566. Please complete the form by typing or clearly printing. Each manufacturer who has submitted this information must keep its entry current, accurate, and complete by submitting revised information not later than 30 days after the relevant changes in its business occur.

**Mail the completed form to:**  
**Attention: VIN Coordinator**  
**National Highway Traffic Safety Administration**  
**1200 New Jersey Avenue, SE**  
**West Building, Room W45-205**  
**Washington, DC 20590**  
**Fax: 202-366-3081**

# How to Make Hose Assemblies of Specific Lengths

## Overall Assembly Length – C1 – C2 = Hose Cut Length

The “C” length for each coupling is listed in the catalog, as shown below.



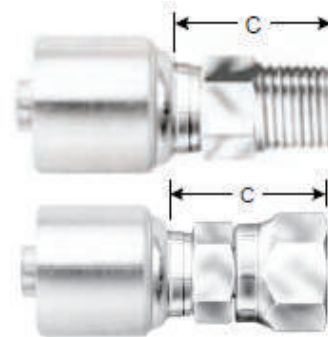
For the Gates Assembly 6M3K-8FJX-8MP-12.5

$$12.5'' - 1.38'' - 1.42'' = 9.7'' \text{ [Cut Hose Length]}$$

Descr.	Prod. No.		C		
6G-8MP	7100-10095	3	4.0	1.42	36.1

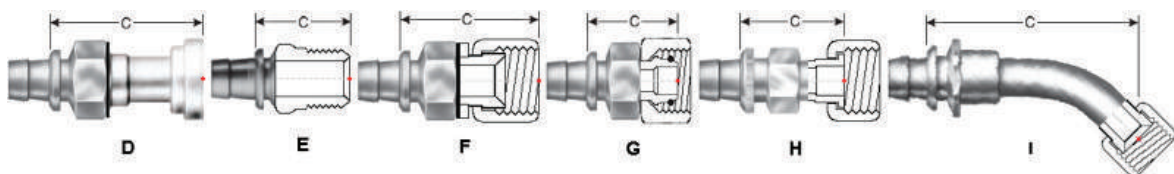
Descr.	Prod. No.		C		
6GE-8FJX	7100-10955	3	3.1	1.38	35.1



To meet SAE quality requirements: the final assembly must meet the dimensional requirements shown in the table on the right; the hose cut must be within 5° of perpendicular, on 1" hose this is less than 3/32"; and coupling orientation must be within 2° of specification, orientation which is off as little as one percent can half the life of a hose assembly.

Best practice to achieve these requirements is to begin by dry fitting all components of the assembly, then measure from one end of a coupling to the opposite end of the cut hose, crimp the coupling and measure the change in length. This will give a good estimate of change in hose length due to the crimping process, and allow for compensation. The use of witness marks to verify orientation and coupling insertion depth is also encouraged.

When measuring a hose assembly, the point at which the ends of the assembly are measured will depend on the style and construction of the couplings. A summary of measurement points is shown below. More detailed information is available in the tech note "Overall Length of Hose Assemblies."



Coupling termination measurement points, from left to right: D) flange, E) straight male, F) US spec [SAE, JIC, NPSM], G International spec [DIN, BSP, GAZ], H FFOR and I bent [elbow] couplings

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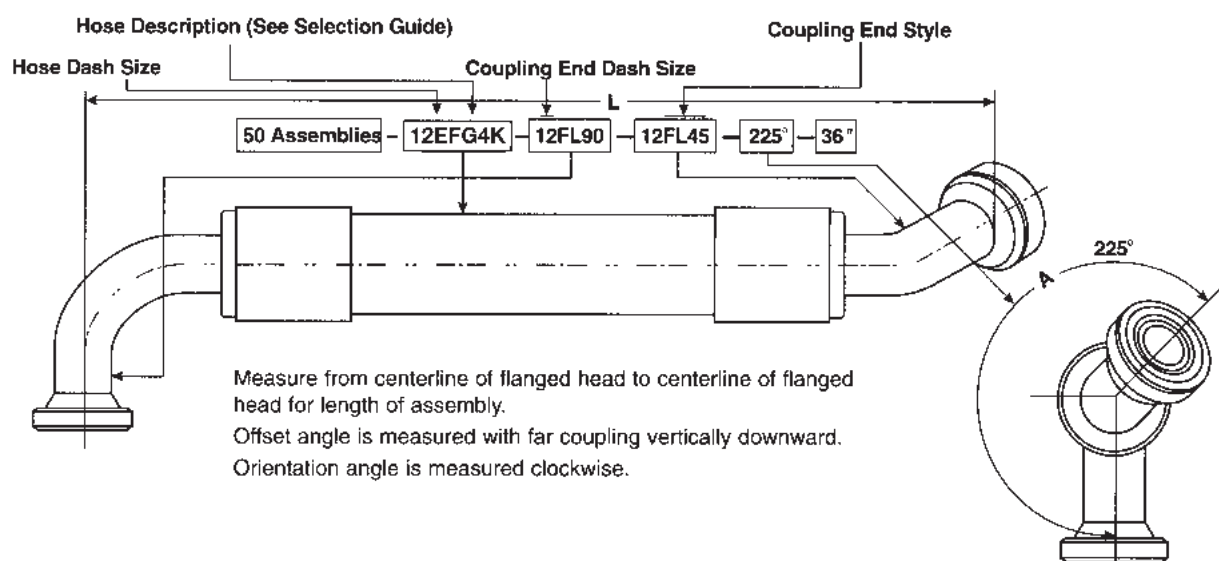
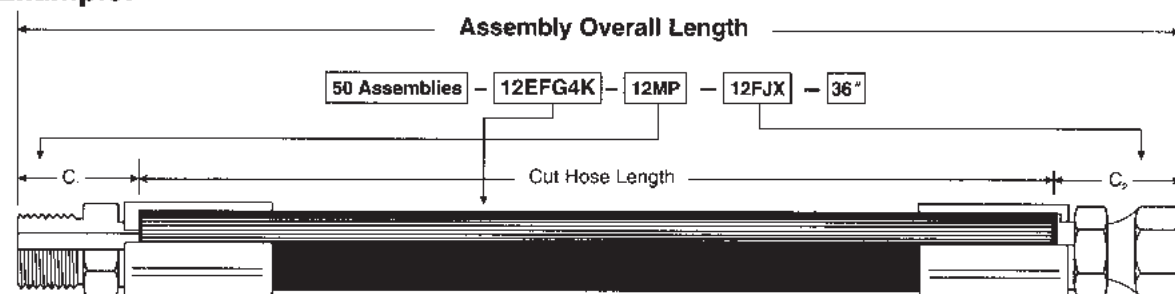
# How to Describe Gates Hydraulic Hose Assemblies

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When you order hydraulic assemblies, be sure the following information is included as shown in the illustrations below:

1. Quantity of assemblies required.
2. Hose catalog description [dash size and type].
3. First coupling dash size and end style.
4. Second coupling dash size and end style.
5. Offset angle or orientation of couplings must be specified if both couplings contain bent tube ends.
6. Assembly overall length.

## Example:



## CAUTION:

**Rated working pressure** of the application should always determine selection of hose. Used up to the recommended **rated working pressure**, the hose will provide normal service life before replacement is required.

When new, the hose described in this catalog will meet or exceed the **minimum burst pressure** listed in the hose specification tables. However—as with any hose in the industry—after the hose has been impulsed for a length of time, **minimum burst pressure** will decrease from the figure shown in the specification tables.

Temperature ranges specified for specific hose refer to recommended temperature limits of fluids being conveyed or ambient temperatures. Exceeding these limits will cause degradation of material compounds and reduce hose service life.



# Hose Assembly Routing Tips

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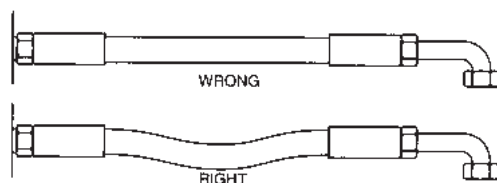
BALL VALVES

ACCESSORIES

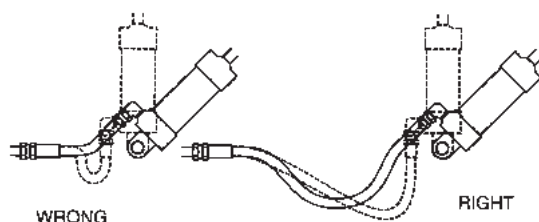
EQUIPMENT AND  
PARTS

Proper hose installation is essential for satisfactory performance. If hose length is excessive, the appearance of the installation will be unsatisfactory and unnecessary cost of equipment will be involved. If hose assemblies are too short to permit adequate flexing and changes in length due to expansion or contraction, hose service life will be reduced.

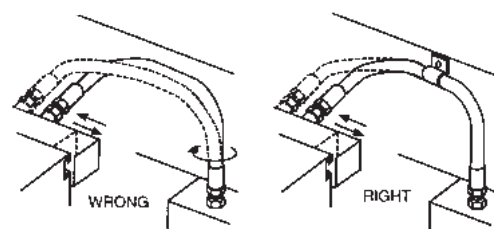
The following diagrams show proper hose installations which provide maximum performance and cost savings. Consider these examples in determining length of a specific assembly.



When hose installation is straight, allow enough slack in hose line to provide for length changes which will occur when pressure is applied.



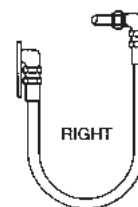
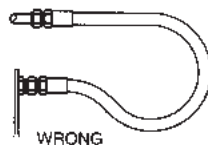
Adequate hose length is necessary to distribute movement on flexing applications and to avoid abrasion.



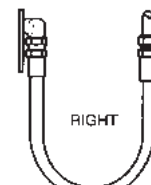
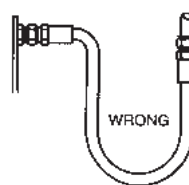
Avoid twisting of hose lines bent in two planes by clamping hose at change of plane.



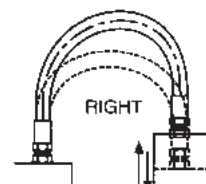
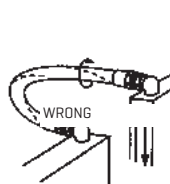
Reduce number of pipe thread joints by using hydraulic adapters instead of pipe fittings.



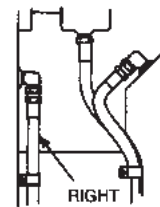
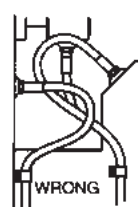
When radius is below the required minimum, use an angle adapter to avoid sharp bends.



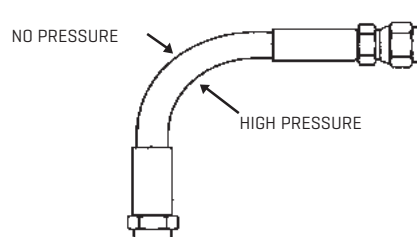
Use proper angle adapters to avoid tight bend in hose.



Prevent twisting and distortion by bending hose in same plane as the motion of the port to which hose is connected.

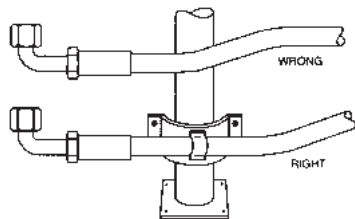


Route hose directly by using 45° and/or 90° adapter and fittings. Avoid excessive hose length to improve appearance.

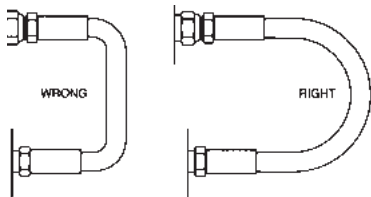


Note: To allow for length changes when hose is pressurized, do not clamp at bends so that curves will absorb changes. Do not clamp high and low pressure lines together.

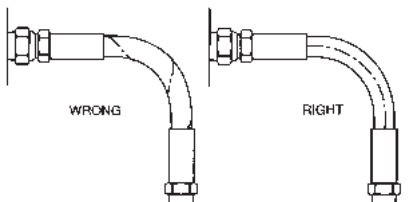
# Hose Assembly Routing Tips – Continued



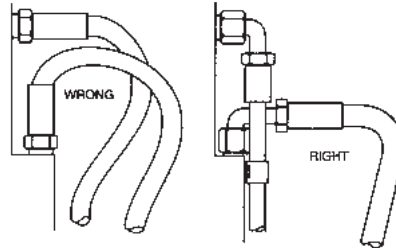
High ambient temperatures shorten hose life, so make sure hose is kept away from hot parts. If this is not possible, insulate hose.



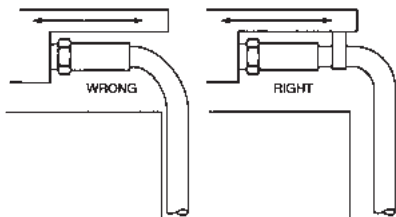
To avoid hose collapse and flow restriction, keep hose bend radius as large as possible. Refer to hose specification tables for minimum bend radius.



When installing hose, make sure it is not twisted. Pressure applied to a twisted hose can result in hose failure or loosening of connections.



Elbows and adapters should be used to relieve strain on the assembly, and to provide neater installations which will be more accessible for inspection and maintenance.



Run hose in the installation so that it avoids rubbing and abrasion. Often, clamps are required to support long hose runs or to keep hose away from moving parts. Use clamps of the correct size. A clamp too large allows hose to move inside the clamp and causes abrasion.

## Hydraulic Flareless Assembly Procedure (per SAE J514 6.1.3 and 6.1.4)

1. Bottom the tube in the coupling, and tighten the nut until the ferrule just grips the tube. With a little experience, the technician can determine this point by feel. If the couplings are bench assembled, the gripping action can be determined by rotating the tube by hand as the nut is drawn down. When the tube can no longer be turned by hand, the ferrule has started to grip the tube.
2. After the ferrule grips the tube, tighten the nut one full turn. This may vary slightly with different tubing materials, but for general practice, it is a good rule for the technician to follow.

## GATES FIELD ATTACHABLE COUPLING INSTALLATION

1. Cut the hose end square with fine-tooth hacksaw or cut-off saw, the cut must be within 5° of perpendicular.

2. At a minimum be sure to blow out the hose to remove any rubber or metal dust, if higher levels of cleanliness are required utilize the MegaClean system or see the "Hose Assembly Cleanliness" tech note.

3. Be sure to thoroughly oil the stem and the inside of the hose. This is critical to ensure that



the ferrule and stem are easily placed onto the hose, without removing tube or cover material.

4. Secure the ferrule in a vise or adjustable wrench, then using a counter-clockwise motion, thread the hose into the socket until it bottoms out on the inside shoulder of the socket. Once fully inserted, using a clockwise motion, turn the hose back one half turn.



5. With the hose and ferrule secured, thread the stem into the hose and socket in a clockwise motion until the stem hex contacts the ferrule. For production environments, a Gates field attachable coupling machine will speed up this installation.



6. Finally clean the assembly to ensure that the desired cleanliness levels are achieved. Follow the same procedure as in step 2.

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



# Installation of LifeGuard® Line-of-Sight Sleeving

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
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ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

1. Determine LifeGuard sleeve length using the following guidelines:

Sleeve length should exceed the length of free hose [distance between clamps that hold sleeve on] by the following amount:

**LifeGuard Sleeve Length = Free Hose Length [in] x 1.05**

All the decimals are rounded **up** to a full inch

**For example:** 11 3/4" free hose length x 1.05 = 12.34" ~ 13" LifeGuard sleeve length

**Note:** A minimum of 3/4" of sleeve must extend beyond the clamps to properly clamp the sleeve. Sleeve cannot extend over the hex part of the fitting.

2. A hot knife is recommended to cut the sleeve as it will seal the ends as it cuts and keep the sleeving from unraveling. Gates also sells a guide table which keeps the sleeving in the correct, slightly open position to help simplify this process. Failure to use the guide table with the hot knife could result in both edges of the sleeve being melted together, which in turn makes hose insertion impossible.

If a hot knife is not available, cut sleeve with sharp scissors, and seal the edges of the sleeve to prevent unraveling and to strengthen it. Use flame torch to seal the inside white lining to the black outer sheath. Make sure sleeve end is spread apart before sealing ends with flame.

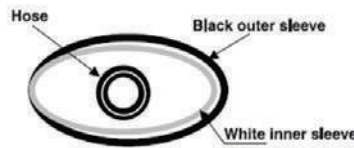


3. Before inserting the stems and crimping, verify whether the LifeGuard sleeve and collars can be installed after the couplings are crimped or must be installed prior to crimping the couplings.

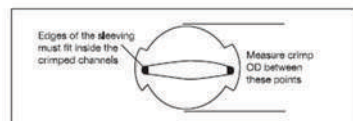
a. If the collars will fit over at least one of the couplings and also clear the backup hex nut, then the sleeve and collars can be assembled after the hose assembly is completely crimped.

b. If the collars will not freely clear the termination and backup hex of at least one of the stems, then the sleeve and collars must be slid over the hose before crimping. In certain cases it may be desirable to do this anyway, even if the collars will fit. [An example would be when an assembly that uses long drop 90° couplings at both ends.]

4. The LifeGuard line-of-sight sleeve consists of two sleeves woven one inside the other. When inserting the hose, it is critical that the hose is positioned inside the white inner sleeve. Be careful not to snag the inside lining of the sleeve while inserting hose. If hose does not glide in easily, use hose insertion tool.



5. The aluminum collars must be free of burrs, sharp edges, gash marks and surface cracks/indentations. Embossing of these collars is permissible. The crimp O.D. for the aluminum collars depends on the hose type and ferrule used. Look up the proper crimp O.D. in eCrimp (<http://www.gates.com/ecrimp>). The collars are listed numerically by product number. Match the collar product number to the hose type and ferrule product number being used. The collar crimp O.D. is listed in the table, directly to the right of the ferrule product number for each combination.



**Note:** Use PC707 LifeGuard die plate when making assemblies.

**Note:** The crimp O.D. tolerance for all aluminum collars used to hold LifeGuard line-of-sight nylon sleeving on hose assemblies is ±.005".

**WARNING:** Extra care must be taken when aligning the back-up hex of the coupling with the crimp dies during crimping of the LifeGuard assembly. Improperly positioned back-up hex can damage the die face.

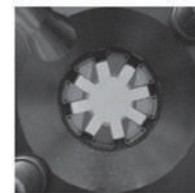
6. Install proper die sets by first positioning the die plate in such manner as to let the notches rest against the back locator pins on the PC707 crimper. Then install the recommended die set taking extra care that the two die pins fit inside the two holes in the die plate.

7. Dial in crimp setting and crimp sleeve onto one end of the hose assembly.

8. To take the slack out of the sleeve, roll or twist the hose. This will take-up the excess in the sleeve, and help with crimping the other end of the assembly.

9. Pull back any remaining excess of the sleeve. Hold it in place and crimp the other end of the assembly.

10. LifeGuard crimp collars require specialized dies for their installation, since the final form of the collar is very different from a standard crimp. When crimping LifeGuard with the GC32-TSi crimper, use eCrimp to determine the appropriate die and setting based on the hose and coupling to which it is to be attached. Once the die has been selected, care must be taken to ensure the die fingers are installed correctly. When using the LifeGuard die set, the fingers are properly aligned when the colored stripe forms a straight line across the die.



GC32-TSi

11. Your LifeGuard assembly is now ready to go.



# Coupling Selection

## END CONFIGURATION SELECTION

It is important to keep in mind that the hose assembly [coupling and hose] is only one component of the system. In choosing the correct end terminations for the couplings attached to the hose, formal design standards and sound engineering judgement should be used.

In the absence of formal design standards, consider the following factors in choosing the proper end termination:

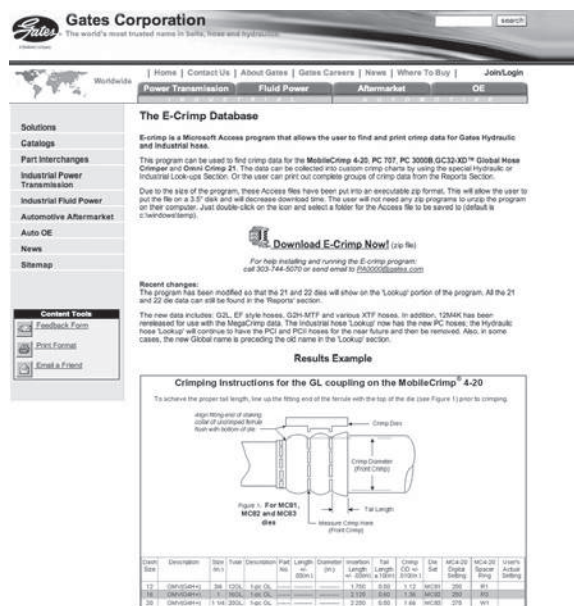
- > Pressure
- > Impulse frequency, amplitude and wave form
- > Vibration
- > Corrosion
- > Dissimilar metals [galvanic corrosion]
- > Maintenance procedures and frequency
- > Installation reliability
- > Connection's risk in the system
- > Exposure to the elements
- > Operator's and/or bystander's exposure to the connection
- > Installation, operation and service activities and practices that affect safety

If there are any questions as to what end fittings should be used, Gates recommends that you consult your field sales representative or the Gates Hose and Connector Product Application Group for assistance.

## Stem and Ferrule Selection

Choosing the proper stem and ferrule termination to be used in the assembly. Check the Gates Crimp Data Manual to ensure proper hose assembly components and crimp specifications.

Gates also offers eCrimp™, an online crimp database that can be accessed at [www.gates.com/ecrimp](http://www.gates.com/ecrimp).

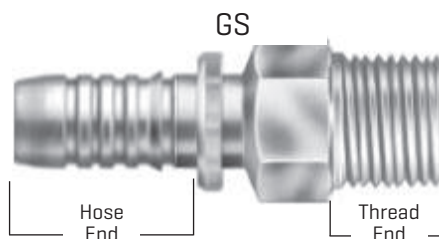


After determining the proper coupling components, refer to the Table of Contents in this catalog to find the proper coupling section. The ferrules are at the end of each coupling section.

## Stem Selection

Different hose may require different coupling styles. To make your selection, determine the correct stem to be used. There are two functional ends of the stem to consider:

1. the hose end for hose attachment;
2. the thread end for port attachment.



References to the coupling type[s] recommended for a specific hose are listed on the individual hose data pages; for example, EFG5K hose specifies GS couplings.

The thread end of a coupling [or adapter] can be identified by comparing the coupling being replaced or by measuring the port or thread end to which it is to be attached. See thread end identification nomenclature.

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HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

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## Coupling Selection – Continued

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
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SURELOK AIR  
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QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

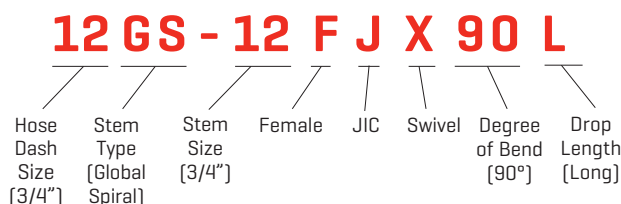
ACCESSORIES

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## COUPLING AND ADAPTER END STYLE NOMENCLATURE

Gates couplings feature a meaningful description by combining end-style codes shown below that make thread end identification fast and easy. Always refer to Gates Crimp Data Manual when selecting hose and coupling combinations.

In the following example, the Gates description 12GS-12FJX90L identifies a GlobalSpiral™ Female JIC Swivel 90° Bend Long Drop coupling for -12 [3/4"] hose size and -12 [3/4"] stem size.



Code	Description
A	Adapterless
AB	Air Brake
API	API Unions
B	Brass
BBDS	British Bonded Seal
BJ	Banjo
BKHD	Bulkhead
BL	Block
BS	Bite Sleeve
BSPP	British Standard Pipe Parallel
BSPT	British Standard Pipe Tapered
C	Caterpillar Flang
CC	Clamping Collar
DH	DIN Heavy
DL	DIN Light
F	Female
FABX	Female Air Brake Swivel
FBFFOR	Female British Flat-Face O-Ring
FBO	Female Braze-on Stem
FF	Flat-Face
FFGX	Female French GAZ Swivel [Female Kobelco]
FFN	Female Flareless Nut
FOR	Flat-Face O-Ring
FFS	Female Flareless Sleeve
FG	Female Grease Thread
FKX	Female Komatsu Style Swivel
FL	Code 61 O-Ring Flange
FLC	Caterpillar Style O-Ring Flange
FLH	Code 62 O-Ring Flange Heavy
FLOS	Flange O-Ring Special
FT	Female SAE Tube
HLE	Hose Length Extender
HLEC	Hose Length Extender [Caterpillar]
HM	Hose Mender
HU	Hammer Union
I	Inverted Flare
J	JIC [37° Flare]
JIS	Japanese Industrial Standard
K	Komatsu Style [Japanese 30° Seat]

Code	Description
LH	Long Hex
LN	Lock Nut
M	Male
MB	Male Boss
MBAX	Male Boss Adapterless Swivel
MBDS	Metric Bonded Seal
MFA	Male Flareless Assembly [Ermeto]
MFG	Male French GAZ
MKB	Metric Kobelco
MM	Metric Male
MN	Metric Nut
MPG	Male Special Grease Fitting
MPLN	Male Pipe Long Nose
MLSP	Metric Light Stand Pipe
MSP	Metric Stand Pipe
NASP	North American Stand Pipe
OR	O-Ring
P	Pipe Thread [NPTF or NPSM]
PL	Press Lok®
PT	Port
PWX	Pressure Washer Swivel
QLD	Quick-Lok® Direct
QHD	Quick-Lok® High
R	Field Attachable
S	SAE [45° Flare]
SP	Special
SS	Stainless Steel
TS	Tube Sleeve
TSN	Tube Sleeve Nut
X	Swivel
Z	Parker Triple Thread
22	22-1/2° Bent Tube Angle
30	30° Bent Tube Angle
45	45° Bent Tube Angle
60	60° Bent Tube Angle
67	67-1/2° Bent Tube Angle
90	90° Bent Tube Angle
110	110° Bent Tube Angle
135	135° Bent Tube Angle

## THREAD END DASH SIZES, DESCRIPTIONS AND DIMENSIONS

### Coupling Dash Size and End Style

Coupling dash size is a shorthand method of denoting the size of a particular end fitting [see Thread Chart].

EXAMPLE: 12MP denotes a 3/4" male pipe thread end fitting. The corresponding thread description for a 3/4" pipe thread is 3/4 -14 NPTF solid male.

EXAMPLE: 12FJX denotes a 3/4" female JIC swivel [37° seat] end fitting. The corresponding thread description for a 3/4" JIC thread is 1-1/16 - 12 JIC 37° flare swivel female.

EXAMPLE: 12FL denotes a 3/4" SAE standard pressure [Code 61] flange fitting. This is the standard fitting description for a 3/4" SAE standard pressure flange.

### Termination Drop Lengths

Bent tube couplings carry a suffix designation that specifies the degree of bend and the length of the drop.

For example, a 12FJX90S is a female JIC swivel with a 90 degree bend. The "S" designates an SAE J516 short drop length. The short and long drops are specified in SAE J516. Flat-face and metric couplings meet ISO-12151-1 drop length specifications. Medium drops are not specified and can vary from manufacturer to manufacturer.

**S** – Short Drop

**M** – Medium Drop

**L** – Long Drop

**XL** – Extra Long Drop

Special, non-industry standard drop lengths are designated with a numerical suffix instead of the S, M, L code. For example, a **12FJX90-075** designates a 75mm drop.

### SAE J516 Drop Length Specifications

JIC 37°, Code 61, Code 62

Hose Size	Short Drop [mm]	Long Drop [mm]
-4	17.3	45.7
-6	21.6	55.4
-8	27.7	61.7
-10	31.2	65.3
-12	46.2	94.7
-16	54.4	110.0

### ISO Drop Length Specifications

ISO 12151-S JIC and ISO 12151-3 Code 61 & Code 62

Hose Size	Short Drop [mm]	Medium Drop [mm]	Long Drop [mm]
-4	21	32	46
-6	23	38	54
-8	29	41	64
-10	32	47	80
-12	48	58	86
-16	56	71	114
-20	64	78	129
-24	69	76	129

### Thread End Catalog Descriptions

Gates coupling ends shown on the following pages are accepted as industry standards. See detailed catalog listings for availability of specific hose/coupling combinations, detailed descriptions, thread end configurations such as swivels, bent tubes and special ends.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
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MEGACRIMP  
COUPLINGS

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FIELD  
ATTACHABLE G1  
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COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
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# Sealing Types for Hydraulic Couplings

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
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EQUIPMENT AND PARTS

When identifying hydraulic couplings, it is important to identify the type of seal made. There are three major types of coupling interfaces used in hydraulics today: Thread Interface, O-Rings and Mated Angle or Mechanical Joint. These three interfaces have developed differently in different parts of the world. In the following pages, country of origin and the coupling styles found in each country are identified. Brief descriptions and dimensional data help identify your particular coupling style.

## Identifying couplings is as easy as 1-2-3!

### 1. Determine Seal Type.

- > Thread Interference
- > O-Ring
- > Mated Angle or Mechanical Joint
- > Mated Angle with O-Ring

**Thread Interference.** A characteristic of this thread is that the male is thinner at the front than it is at the back. As the male is threaded into the female, the edges of the thread distort by flattening out. This distortion creates the seal.

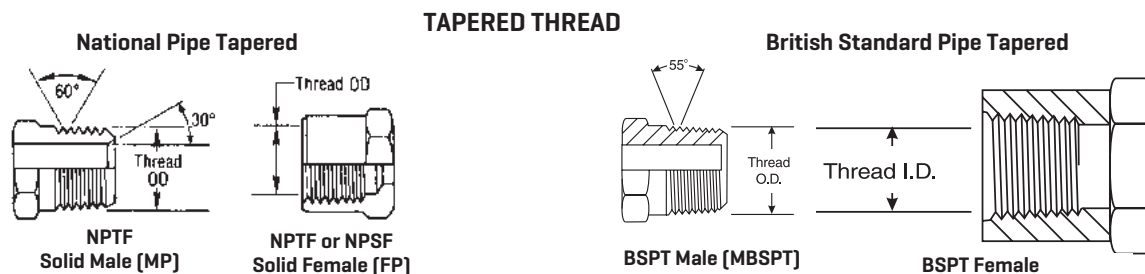
**O-Ring.** The O-ring on the male being compressed against the corresponding female makes this seal. This type of seal is excellent for high-pressure applications. The threads pull the fitting against the port, trap the O-ring and flatten it to form a tight seal.

**Mated Angle or Mechanical Joint.** Different angles are used to create the seal. The seal takes place where the two angles meet and are wedged into one another. These can be cut with the angle either being inverted or standard. Standard seat couplings have the nose angle of the male on the outer surface of the coupling. Inverted seat couplings contain the nose angle of the male on the inside bore of the coupling.

**Mated Angle with O-Ring.** These couplings are a hybrid, which use both the mated angle and the O-ring to make the seal.

### 2. Visual Identification.

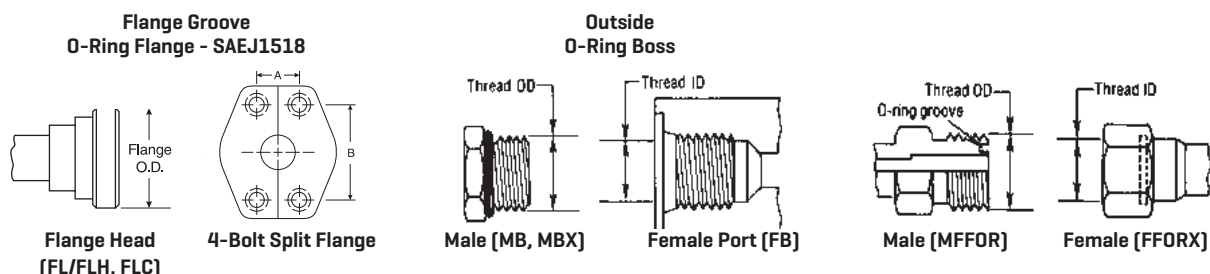
Thread Interference. These are the easiest because the only factor here is whether the termination is male or female. Couplings that use this seal are:



**O-Ring.** Two determinations are needed:

- A. O-Ring Location – Flange Groove, Outside, or on the Nose Seat
- B. Coupling Termination – Male or Female

#### O-Ring Location



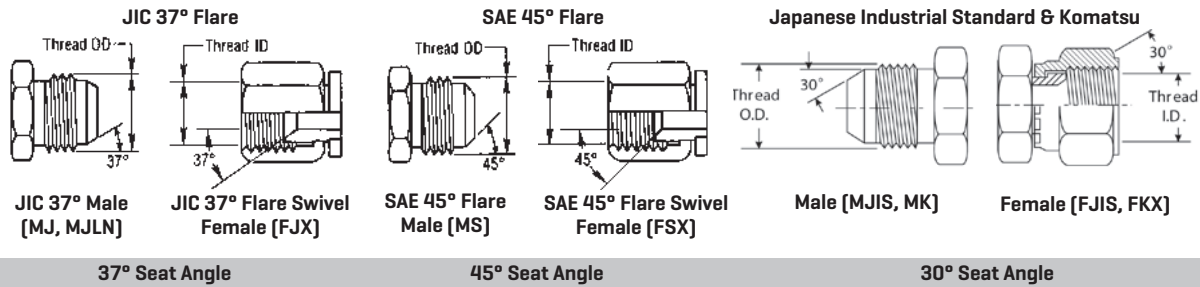
# Sealing Types for Hydraulic Couplings – Continued

## 2. Visual Identification - Continued

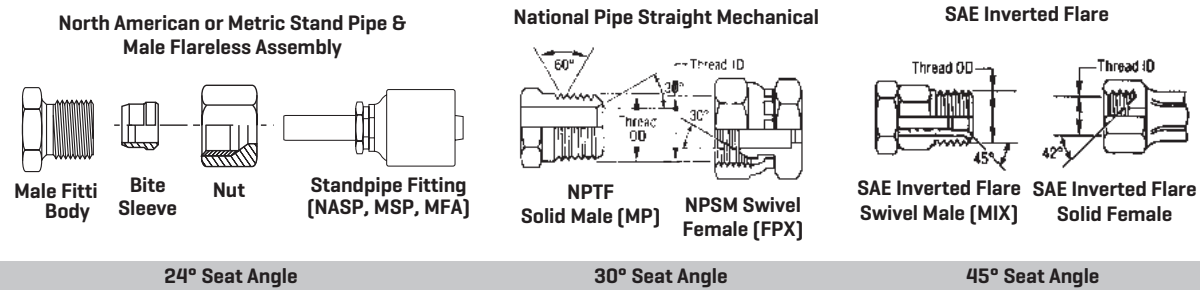
**Mated Angle or Mechanical Joint.** Determine:

- A. Nose Seat – Standard or Inverted
- B. Seat Angle [See Measuring Seat Angles]
- C. Coupling Termination

### Standard Nose Seat



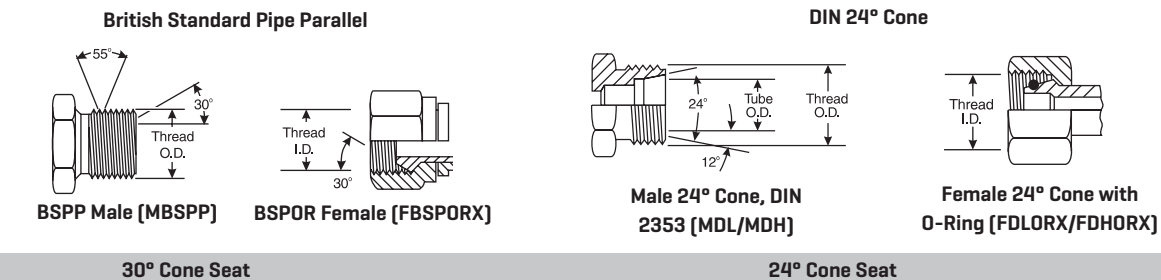
### Inverted Nose Seats



**Mated Angle with O-Ring.** Determine:

- A. O-Ring Location
- B. Nose Seat
- C. Seat Angle [See Measuring Seat Angles]
- D. Coupling Termination

### Inside O-Ring Location with Inverted Nose Seat



For a wall poster representation of this information, order literature form number 428-7125.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



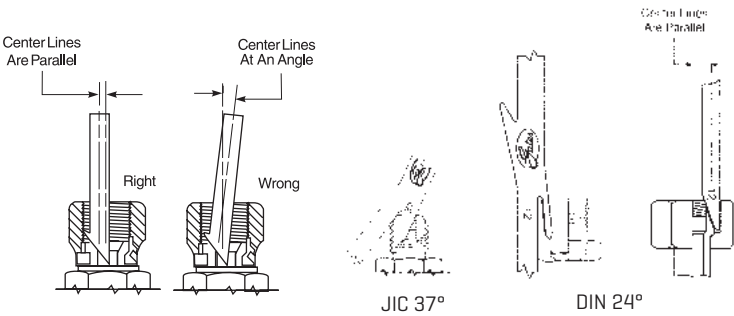
# Sealing Types for Hydraulic Couplings – Continued

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Measuring Seat Angles

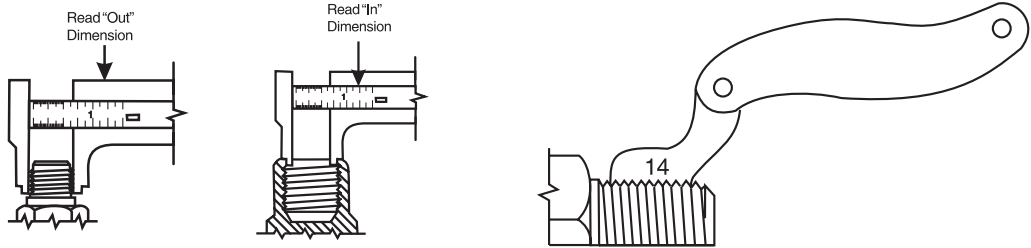
Using the seat gauge, determine the angle of the seat, as illustrated. When the centerline of the seat gauge extends parallel with the projected longitudinal axis of the coupling, then the angles of the gauge and seat match.

**NOTE:** Thread binding will occur when different thread configurations are used. DO NOT mix thread configurations.



## 3. Measure Threads.

Because some couplings have very similar characteristics, the only way to determine the correct identification is by measuring the thread. Follow the procedure below when measuring coupling threads:



With the caliper measure the thread diameter of the largest point. [Outside Diameter (O.D.) of male threads—Inside Diameter (I.D.) of female threads.]

Using the thread gauge, determine the number of threads per inch. Comparison of gauge and coupling threads against a lighted background will ensure an accurate reading.

Match the measurements taken above against those in the following tables that appear to be similar to the coupling under consideration.

**Gates provides many useful tools to assist you in identifying the right coupling!**

# Coupling/Thread Identification Tools

## HYDRAULIC COUPLING TEMPLATES

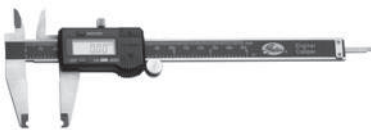
Industrial Advertising Number: 39549



These templates provide a fast and easy way to measure North American threads, International threads, flange ends, seat angles [37° and 45° ] and hose I.D.

## STAINLESS STEEL DIGITAL CALIPER

Part Number: 78241 Product Number: 7369-0322



Caliper features an easy-to-read LCD screen clearly displaying the crimp diameter digitally. Capable of four-way measurement: inside, outside, depth and step. Constructed of hardened stainless steel and comes in a handy, protective carrying case.

## INTERNATIONAL THREAD IDENTIFICATION KIT

Part Number: 86580 Product Number: 7369-0319



A sturdy, attractive carrying case suitable for counter display and field sales calls. Contains male metric and BSP plugs for identifying thread size, pocket thread I.D. kit, and flow chart with step-by-step instructions. For female thread identification, simply couple with the mating male.

## POCKET THREAD IDENTIFICATION KIT

Part Number: 86583 Product Number: 7369-4318



To properly identify the correct replacement couplings, the measuring tools shown here should be used.

- Contents:**
- Calipers
  - Seat Gauges [English]
  - Seat Gauges [Metric]
  - Thread Gauges
  - Thread I.D. Guide

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

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STEEL

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COUPLINGS

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THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

# Thread Chart

HOSE									
HOSE/CPLG. SELECTION									
G8K COUPLINGS									
GLOBAL SPIRAL COUPLINGS									
PCM / PCS FERRULES									
MEGACRIMP COUPLINGS									
STAINLESS STEEL									
POWER CRIMP COUPLINGS									
LOC, GL AND GLP COUPLINGS									
POLARSEAL COUPLINGS									
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ADAPTERS									
QUICK DISCONNECT COUPLERS									
LIVE SWIVEL									
BALL VALVES									
ACCESSORIES									
EQUIPMENT AND PARTS									

## THREAD CHART

For All Hose I.D.'s Except C5 Series, C14 and AC134a.

DASH SIZE	2	3	4	5	6	7	8	10	12	14	16	20	24	32	40	48
NPTF Pipe Thread	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/8-11 1/2	1 1/2-11 1/2	2-11 1/2	2 1/2-8	3-8
NPSM Swivel Thread	1/8-27		1/4-18		3/8-18		1/2-14		3/4-14		1-11 1/2	1 1/8-11 1/2	1 1/2-11 1/2	2-11 1/2		
JIC 37° Flare Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/16-12	1 3/16-12	1 5/8-12	1 7/8-12	2 1/8-12	3-12		
SAE 45° Flare Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	11/16-16	3/4-16	7/8-14	1 1/16-12	1 3/16-12	1 5/8-12	1 7/8-12	2 1/8-12			
SAE O-Ring Thread	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18		3/4-16	7/8-14	1 1/16-12	1 3/16-12	1 5/8-12	1 7/8-12	2 1/8-12			
Flat-Face Thread			9/16-18		11/16-16		13/16-16	1-14	1 1/2-12	1 3/4-12	1 11/16-12	2-12				
Inverted Flare Thread	5/16-28	3/8-24	7/16-24	1/2-20	9/16-18	11/16-18	3/4-18	7/8-16	1 1/16-16							
Compression Thread	5/16-24	3/8-24	7/16-24	1/2-24	9/16-24	5/8-24	11/16-20	13/16-18	1-18							
Code 61 Flange Head O.D.							1.19	1.335	1.50		1.75	2.00	2.38	2.81	3.31	4.00
Code 62 Flange Head O.D.							1.25	1.62			1.88	2.12	2.50	3.12		
BSPP Thread	1/8-28		1/4-19		3/8-19		1/2-14	5/8-14	3/4-14		1-11	1 1/8-11	1 1/2-11	2-11		
BSPT Thread	1/8-28		1/4-19		3/8-19		1/2-14	5/8-14	3/4-14		1-11	1 1/8-11	1 1/2-11	2-11		
Japanese Pipe Tapered Thread	1/8-28		1/4-19		3/8-19		1/2-14	5/8-14	3/4-14		1-11	1 1/8-11	1 1/2-11	2-11		
Japanese Flare Thread	1/8-28		1/4-19		3/8-19		1/2-14	5/8-14	3/4-14		1-11	1 1/8-11	1 1/2-11	2-11		
Copper/Nylon Air Brake Thread		7/16-24			17/32-24		11/16-20	13/16-18	1-18							
METRIC (mm)	8	10	12	14	16	18	20	22	24	26	30	33	36	42	45	52
MDL			M12X1.5	M14X1.5	M16X1.5	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X2.0	M36X2.0	M45X2.0	M52X2.0		
MDH					M16X1.5	M18X1.5	M20X1.5	M22X1.5	M24X1.5	M26X1.5	M30X2.0	M36X2.0	M42X2.0	M52X2.0		
Komatsu						M18X1.5		M22X1.5	M24X1.5		M30X1.5	M33X1.5	M36X1.5	M42X1.5		
GAZ*							M20X1.5		M24X1.5		M30X1.5		M36X1.5		M45X1.5	M52X1.5

\* GAZ sizes are for catalog reference purposes, actual tube sizes are 13.25, 16.75, 21.25, 26.75, 33.5, 42.25

# Coupling Identification

This section lists the origin and coupling style found in each country. Brief descriptions and dimensional data follows each coupling style.

There are five coupling systems generally used for hydraulic connections today.

They are identified geographically or by country as:

**North American**  
**British**  
**French**  
**German**  
**Japanese**

## NORTH AMERICAN THREAD TYPES

### Iron Pipe Thread Abbreviations

**N** National                      **S** Straight Thread                      **F** Fuels  
**P** Pipe                              **T** Tapered Thread                      **M** Mechanical Joint

### NPTF

National Pipe Tapered thread for Fuel is a dryseal thread. It is used for both male and female ends.

The NPTF male will mate with the NPTF, NPSF, or NPSM female.

The NPTF male has tapered threads and a 30° inverted seat. The NPTF female has tapered threads and no seat. The seal takes place by deformation of the threads. The NPSM female has straight threads and a 30° inverted seat. The seal takes place on the 30° seat.

The NPTF connector is similar to, but not interchangeable with, the BSPT connector. The thread pitch is different in most sizes. Also, the thread angle is 60° instead of the 55° angle found on BSPT threads.

### NPSF

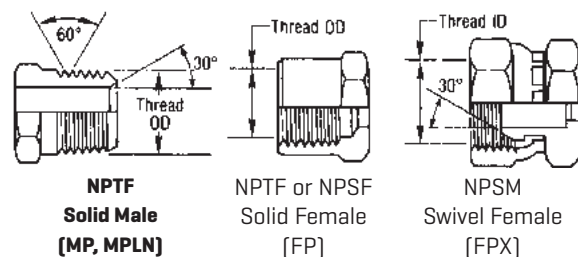
National Pipe Straight thread for Fuels is sometimes used for female ends and properly mates with the NPTF male end. However, SAE recommends the NPTF thread in preference to the NPSF for female ends.

### NPSM

National Pipe Straight thread for Mechanical Joint is used on the female swivel nut of iron pipe swivel adapters. The leak-resistant joint is not made by the sealing fit of threads, but by a tapered seat in the coupling end.

Dash Size	Nominal Size [In.]	No. Threads per Inch	Female Thread	Male Thread	Max. Torque Recommendation for Dry NPTF* [Ft. Lbs.]
			I.D. [In.]	O.D. [In.]	
-2	1/8	27	23/64	13/32	20
-4	1/4	18	15/32	35/64	25
-6	3/8	18	19/32	43/64	35
-8	1/2	14	3/4	27/32	45
-12	3/4	14	61/64	1-1/16	55
-16	1	11-1/2	1-13/64	1-5/16	65
-20	1-1/4	11-1/2	1-17/32	1-43/64	80
-24	1-1/2	11-1/2	1-25/32	1-29/32	95
-32	2	11-1/2	2-1/4	2-3/8	120

### NPT Pipe Thread



#### \*NOTES:

1. Torque values can vary considerably depending on thread condition. Use only enough torque to achieve adequate sealing.
2. With female straight or parallel pipe threads [NPSM], maximum values are 50 percent of those listed in the table.
3. If thread sealant is used, maximum values shown should be decreased by 25 percent.

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBAL SPIRAL COUPLINGS

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MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

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POLARSEAL II COUPLINGS

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FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

## Coupling Identification – Continued

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
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BRAKE  
COUPLINGS

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DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## NORTH AMERICAN THREAD TYPES – Continued

### \*JIC (37° Flare)

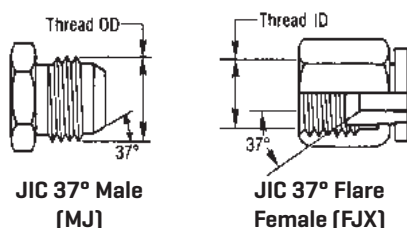
The Society of Automotive Engineers (SAE) specifies a 37° angle flare or seat be used with high pressure hydraulic tubing. These are commonly called JIC couplings.

The JIC 37° flare male will mate with a JIC female only.\* The JIC male has straight threads and a 37° flare seat. The JIC female has straight threads and a 37° flare seat. The seal is made on the 37° flare seat.

Some sizes have the same threads as the SAE 45° flare. Carefully measure the seat angle to differentiate.

**\*Note:** Some C5, C5E and Lock-On couplings may have dual machined seats (both 37° and 45° seats).

#### JIC 37° Flare



Dash Size	Nominal Size [In.]	Thread Size	Female Thread	Male Thread	Steel Torque Recommendation [Ft. Lbs.]	
			I.D. [In.]	O.D. [In.]	Min.	Max.
-2	1/8	5/16 - 24	17/64	5/16	-	-
-3	3/16	3/8 - 24	21/64	3/8	-	-
-4	1/4	7/16 - 20	25/64	7/16	10	11
-5	5/16	1/2 - 20	29/64	1/2	13	15
-6	3/8	9/16 - 18	1/2	9/16	17	19
-8	1/2	3/4 - 16	11/16	3/4	34	38
-10	5/8	7/8 - 14	13/16	7/8	50	56
-12	3/4	1-1/16 - 12	31/32	1-1/16	70	78
-14	7/8	1-3/16 - 12	1-7/64	1-3/16	-	-
-16	1	1-5/16 - 12	1-15/64	1-5/16	94	104
-20	1-1/4	1-5/8 - 12	1-35/64	1-5/8	124	138
-24	1-1/2	1-7/8 - 12	1-51/64	1-7/8	156	173
-32	2	2-1/2 - 12	2-27/64	2-1/2	219	243

### \*SAE (45° Flare)

A term usually applied to fittings having a 45° angle flare or seat. Soft copper tubing is generally used in such applications as it is easily flared to the 45° angle. These are for low-pressure applications—such as for fuel lines and refrigerant lines.

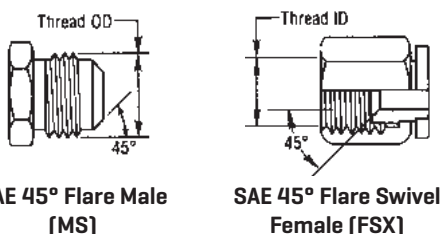
The SAE 45° flare male will mate with an SAE 45° flare female only or a dual seat JIC/SAE 45°.\*

The SAE male has straight threads and a 45° flare seat. The SAE female has straight threads and a 45° flare seat. The seal is made on the 45° flare seat.

Some sizes have the same threads as the SAE 37° flare. Carefully measure the seat angle to differentiate.

**\*Note:** Some C5, C5E and Lock-On couplings may have dual machined seats (both 37° and 45° seats).

#### SAE 45° Flare



Dash Size	Nominal Size [In.]	Thread Size	Female Thread	Male Thread	Steel Torque Recommendation [Ft. Lbs.]	
			I.D. [In.]	O.D. [In.]	Min.	Max.
-2	1/8	5/16 - 24	17/64	5/16	-	-
-3	3/16	3/8 - 24	21/64	3/8	-	-
-4	1/4	7/16 - 20	25/64	7/16	10	11
-5	5/16	1/2 - 20	29/64	1/2	13	15
-6	3/8	5/8 - 18	9/16	5/8	17	19
-7	7/16	11/16 - 16	5/8	11/16	-	-
-8	1/2	3/4 - 16	11/16	3/4	34	38
-10	5/8	7/8 - 14	13/16	7/8	50	56
-12	3/4	1-1/16 - 14	63/64	1-1/16	70	78

#### Special Power Steering Thread End

Dash Size	Nominal Size [In.]	Thread Size	Female Thread	Male Thread
			I.D. [In.]	O.D. [In.]
-6	3/8	11/16 - 18	5/8	11/16

## NORTH AMERICAN THREAD TYPES – Continued

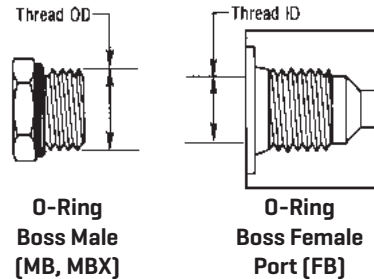
### O-Ring Boss

The O-ring boss male will mate with an O-ring boss female only. The female is generally found on ports.

The male has straight threads, a sealing face and an O-ring. The female has straight threads and a sealing face.

The seal is made at the O-ring on the male and the sealing face on the female.

### SAE Straight Thread O-Ring Boss

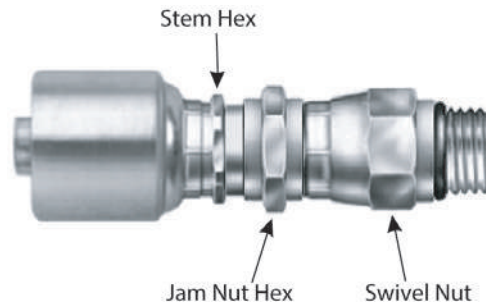


Dash Size	Nominal Size [In.]	Thread Size	Female Thread	Male Thread	O-Ring		Steel Torque Recommendations [Ft. Lbs]			
							Below 4,000 psi Working Pressure		Above 4,000 psi Working Pressure	
			I.D. [In.]	O.D. [In.]	I.D. [In.]	DESCR	Min.	Max.	Min.	Max.
-2	1/8	5/16 - 24	17/64	5/16	0.239	-	-	-	-	-
-3	3/16	3/8 - 24	21/64	3/8	0.301	30R	-	-	8	10
-4	1/4	7/16 - 20	25/64	7/16	0.351	40R	14	16	14	16
-5	5/16	1/2 - 20	29/64	1/2	0.414	50R	-	-	18	20
-6	3/8	9/16 - 18	1/2	9/16	0.468	60R	24	26	24	26
-8	1/2	3/4 - 16	11/16	3/4	0.644	80R	37	44	50	60
-10	5/8	7/8 - 14	13/16	7/8	0.755	100R	50	60	72	80
-12	3/4	1-1/16 - 12	31/32	1-1/16	0.924	120R	75	83	125	135
-14	7/8	1-3/16 - 12	1-7/64	1-3/16	1.048	140R	-	-	160	180
-16	1	1-5/16 - 12	1-15/64	1-5/16	1.171	160R	111	125	200	220
-20	1-1/4	1-5/8 - 12	1-35/64	1-5/8	1.475	200R	133	152	210	280
-24	1-1/2	1-7/8 - 12	1-51/64	1-7/8	1.720	-	156	184	270	360
-32	2	2-1/2 - 12	2-27/64	2-1/2	2.337	-	-	-	-	-

### Gates Adapterless—MBAX

The Gates Adapterless coupling is designed for use in OEM assembly line applications. It eliminates the need for an adapter by directly connecting into the port, which reduces the number of possible leak points and reduces installation labor. It allows easy installation and eliminates the troubles of alignment on bent tube assemblies. It eliminates the performance limitations of the traditional male swivel. A jam nut locks the coupling into place.

Assemblies using the Gates Adapterless coupling can be serviced by replacing the assembly with an MB adapter in the port and a standard end termination [for example, an MB-MJ adapter and FJX couplings].



**WARNING:** The tightening of the jam nut is absolutely critical to performance so that the Adapterless coupling does not become a “live swivel”. A live swiveling condition can cause wearing of the internal seals and result in leaks.

The Gates Adapterless coupling uses SAE O-Ring Boss threads. See the table above. The installation torque values are the same as SAE O-Ring Boss.

HOSE

HOSE/CPLG.  
SELECTION

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FIELD  
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& G2 COUPLINGS

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& C5E  
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ADAPTERS

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HOSE

HOSE/CPLG.  
SELECTION

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EQUIPMENT AND  
PARTS

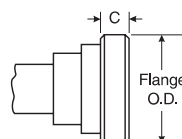
## NORTH AMERICAN THREAD TYPES – Continued

### O-Ring Flange—SAE J518

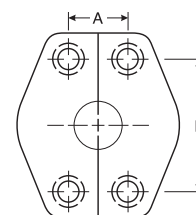
The SAE Code 61 and Code 62 4-bolt split flange is used worldwide, usually as a connection on pumps and motors. There are three exceptions.

1. The -10 size, which is common outside of North America, is not an SAE standard size [generally found on Komatsu equipment]. All Komatsu flanges are the same as SAE code 61 except for the -10 size.
2. Caterpillar flanges, which are the same flange O.D. as SAE Code 62, have a thicker flange head ["C" dimension in Table].
3. Poclain flanges, which are completely different from SAE flanges.

### SAE Code 61 and Code 62



Flange Head (FL/  
FLH, FLC)



4-Bolt Split Flange Bolt  
Hose Dimensions

Dash Size	Nominal Flange Size [In.]	Code 61 [FL]				Code 62 [FLH]				Caterpillar Code 62 [FLC]			
		Flange O.D. [In.]	A [In.]	B [In.]	C [In.]	Flange O.D. [In.]	A [In.]	B [In.]	C [In.]	Flange O.D. [In.]	A [In.]	B [In.]	C [In.]
-8	1/2	1.188	.688	1.500	.265	1.250	.718	1.594	.305	-	-	-	-
-10	5/8	1.345	-	-	.265	-	-	-	-	-	-	-	-
-12	3/4	1.500	.875	1.875	.265	1.625	.937	2.000	.345	1.625	.938	2.000	.560
-16	1	1.750	1.031	2.062	.315	1.875	1.093	2.250	.375	1.875	1.094	2.250	.560
-20	1-1/4	2.000	1.188	2.312	.315	2.125	1.250	2.625	.405	2.125	1.250	2.625	.560
-24	1-1/2	2.375	1.406	2.750	.315	2.500	1.437	3.125	.495	2.500	1.438	3.125	.560
-32	2	2.812	1.688	3.062	.375	3.125	1.750	3.812	.495	3.125	1.750	3.812	.560
-40	2-1/2	3.312	2.000	3.500	.375	-	-	-	-	-	-	-	-
-48	3	4.000	2.438	4.188	.375	-	-	-	-	-	-	-	-
-56	3-1/2	4.500	2.750	4.750	.422	-	-	-	-	-	-	-	-
-64	4	5.000	3.062	5.125	.442	-	-	-	-	-	-	-	-
-80	5	6.000	3.625	6.000	.442	-	-	-	-	-	-	-	-

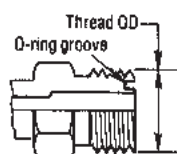
### O-Ring Face Seal (ORFS)—SAE J1453

A seal is made when the O-ring in the male contacts the flat face on the female. Couplings are intended for hydraulic systems where elastomeric seals are acceptable to overcome leakage and leak resistance is crucial.

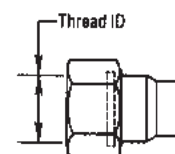
The solid male O-ring face seal fitting will mate with a swivel female O-ring face seal SAE J1453 fitting only.

An O-ring rests in the O-ring groove in the male.

### O-Ring Face Seal



Male Flat-Face  
O-Ring (MFFOR)



Female Flat-Face O-Ring  
Swivel (FFORX)

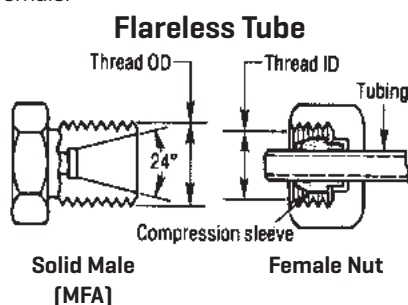
Dash Size	Nominal Size [In.]	Thread Size	Female Thread	Male Thread	O-Ring Size
			I.D. [In.]	O.D. [In.]	
-4	1/4	9/16 - 18	1/2	9/16	-011
-6	3/8	11/16 - 16	5/8	11/16	-012
-8	1/2	13/16 - 16	3/4	13/16	-014
-10	5/8	1 - 14	15/16	1	-016
-12	3/4	1-3/16 - 12	1-1/8	1-3/16	-018
-16	1	1-7/16 - 12	1-11/32	1-7/16	-021
-20	1-1/4	1-11/16 - 12	1-19/32	1-11/16	-025
-24	1-1/2	2 - 12	1-29/32	2	-029

## NORTH AMERICAN THREAD TYPES – Continued

### Flareless Tube

The flareless solid male will mate with a female flareless nut and compression sleeve only.

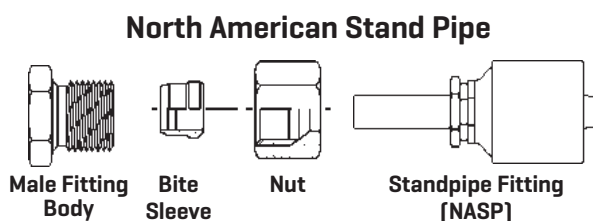
The male has straight threads and a 24° seat. The female has straight threads and has a compression sleeve for a sealing surface. The seal is made between the compression sleeve and the 24° seat on the male, and between the compression sleeve and the tubing on the female.



Dash Size	Tube Size [In.]	Nominal Size [In.]	Thread Size	Female Thread	Male Thread
				I.D. [In.]	O.D. [In.]
-2	1/8	5/16	5/16 - 24	17/64	5/16
-3	3/16	3/8	3/8 - 24	21/64	3/8
-4	1/4	7/16	7/16 - 20	25/64	7/16
-5	5/16	1/2	1/2 - 20	29/64	1/2
-6	3/8	9/16	9/16 - 18	1/2	9/16
-8	1/2	3/4	3/4 - 16	11/16	3/4
-10	5/8	7/8	7/8 - 14	13/16	7/8
-12	3/4	1-1/16	1-1/16 - 12	31/32	1-1/16
-14	7/8	1-3/16	1-3/16 - 12	1-7/64	1-3/16
-16	1	1-5/16	1-5/16 - 12	1-15/64	1-5/16
-20	1-1/4	1-5/8	1-5/8 - 12	1-35/64	1-5/8
-24	1-1/2	1-7/8	1-7/8 - 12	1-51/64	1-7/8
-32	2	2-1/2	2-1/2 - 12	2-27/64	2-1/2

### North American Stand Pipe (NASP)

A stand pipe assembly is comprised of three components attached to a male fitting. The components are a Stand Pipe Tube, Bite Sleeve and Nut. The Nut is placed over the Stand Pipe, followed by the Bite Sleeve [see illustration below]. The Bite Sleeve and Stand Pipe are selected on the basis of tube O.D. required.

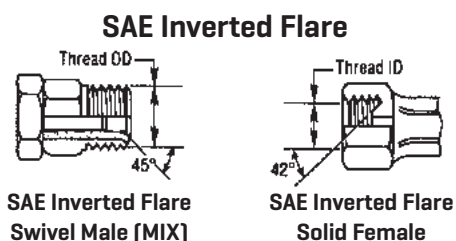


Dash Size	Tube O.D. [In.]	Tube Length [In.]
-4	0.25	0.88
-6	0.38	0.88
-8	0.50	1.00
-12	0.75	1.16
-16	1.00	1.12

### SAE Inverted Flare

The SAE 45° inverted flare male will mate with an SAE 42° inverted flare female only.

The male has straight threads and a 45° inverted flare. The female has straight threads and a 42° inverted flare. The seal is made on the 45° flare seat on the male and the 42° flare seat on the female.



Dash Size	Nominal Size [In.]	Thread Size	Female Thread	Male Thread
			I.D. [In.]	O.D. [In.]
-2	1/8	5/16 - 28	9/32	5/16
-3	3/16	3/8 - 24	21/64	3/8
-4	1/4	7/16 - 24	25/64	7/16
-5	5/16	1/2 - 20	29/64	1/2
-6	3/8	5/8 - 18	37/64	5/8
-7	7/16	11/16 - 18	5/8	11/16
-8	1/2	3/4 - 18	45/64	3/4
-10	5/8	7/8 - 18	13/16	7/8
-12	3/4	1-1/16 - 16	1	1-1/16

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Coupling Identification – Continued

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

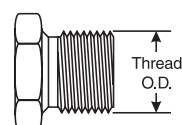
## NORTH AMERICAN THREAD TYPES – Continued

### Air Brake Fittings

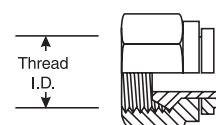
Female air brake swivels are designed to work exclusively with a male air brake adapter. Federal law requires only this combination to be used on air brake lines from the valve to the air brake diaphragm chamber.

The male has straight threads and an inverted seat. The female has straight threads and a corresponding inverted flare. The seal is made on the flare seats of both the male and female.

Dash Size	Thread Size	Female Thread I.D. (In.)	Male Thread O.D. (In.)
-6	3/4 - 20	23/32	3/4
-8	7/8 - 20	27/32	7/8



Male Air Brake



Female Air Brake Swivel

### Grease Fittings

#### Special Male Grease Fitting



1/8-27 Pipe Thread

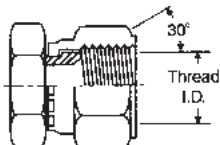
#### Special Female Grease Fitting



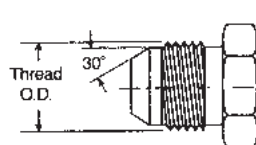
1/2-27 Tapered Thread

### Parker Triple Thread Flare Fittings

#### Parker Triple Thread Flare Fittings



Swivel Female [FZX]



Solid Male [MZ]

Dash Size	Nominal Size (In.)	Thread Size	Female Thread	Male Thread
			I.D. (In.)	O.D. (In.)
-16	1-5/16	1-5/16 - 14	1-1/4	1-5/16

## Foreign Thread Types

### Identifying Foreign Couplings

If you can identify the country of origin of the equipment you are working with, it is easy to identify the coupling style. Simply find the appropriate country in the following pages and locate the particular coupling in the table that follows.

## Foreign Thread Types – British

It is a common misconception that all foreign threads are metric. This is not always the case. There are two common thread forms: Metric and Whitworth [BSP]. The country of origin and the proper nomenclature for each is listed below.

### British Standard Pipe Parallel

Popular couplings have British Standard Pipe [BSP] threads, also known as Whitworth threads. These can be parallel threads [BSPP] with a 30° inverted flare or tapered threads [BSPT], with a 30° inverted flare. Port connections are usually made with BSPP threads and a soft metal cutting ring for sealing.

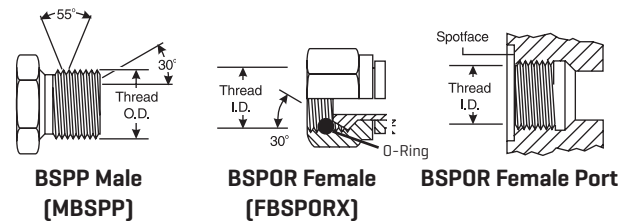
The BSPP [parallel] male will mate with a BSPOR [parallel] female or a female port.

The BSPP male has straight threads and a 30° seat. The BSPOR female has straight threads, a 30° seat, and O-ring. The female port has straight threads and a spotface. The seal on the port is made with an O-ring or soft metal washer on the male.

The BSPP [parallel] connector is similar to, but not interchangeable with, the NPSM connector. The thread pitch is different in most sizes, and the thread angle is 55° instead of the 60° angle found on NPSM threads.

Dash Size	Nominal Size [In.]	Thread Size	Female Parallel Thread	Male Parallel Thread	Torque Recommendation [Ft. Lbs.]	
			I.D. [In.]	O.D. [In.]	Min.	Max.
-2	1/8	1/8 - 28	11/32	3/8	7	9
-4	1/4	1/4 - 19	15/32	17/32	11	18
-6	3/8	3/8 - 19	19/32	21/32	19	28
-8	1/2	1/2 - 14	3/4	13/16	30	36
-10	5/8	5/8 - 14	13/16	29/32	37	44
-12	3/4	3/4 - 14	31/32	1-1/32	50	60
-16	1	1 - 11	1-7/32	1-11/32	79	95
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32	127	152
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8	167	190
-32	2	2 - 11	2-7/32	2-11/32	262	314

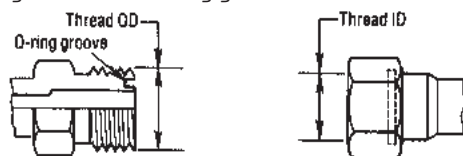
### British Standard Pipe Parallel [BSPOR]



### British Flat-Face Seal

A seal is made when the O-ring in the male contacts the flat face on the female. These couplings are intended for hydraulic systems where elastomeric seals are acceptable to overcome leakage and leak resistance is crucial.

The solid male British O-ring face seal fitting will mate with a swivel female British O-ring face seal fitting only. An O-ring rests in the O-ring groove in the male.



Male British Flat-Face [MBFF] Female British Flat-Face [FBFF]

Dash Size	Nominal Size [In.]	Thread Size	Female Parallel Thread	Male Parallel Thread	Torque Recommendation [Ft. Lbs.]	
			I.D. [In.]	O.D. [In.]	Min.	Max.
-6	3/8	3/8-19	19/32	21/32	18	20
-8	1/2	1/2-14	3/4	13/16	32	40
-12	3/4	3/4-14	31/32	1 1/32	65	80

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
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COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Foreign Thread Types – British – Continued

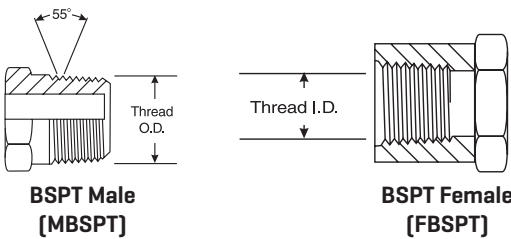
### British Standard Pipe Tapered

The BSPT (tapered) male will mate with a BSPT (tapered) female, or a BSPOR (parallel) female.

The BSPT male has tapered threads. When mating with either the BSPT (tapered) female or the BSPOR (parallel) female port, the seal is made on the threads.

The BSPT connector is similar to, but not interchangeable with, the NPTF connector. The thread pitch is different in most cases, and the thread angle is 55° instead of the 60° angle found on NPTF threads.

#### British Standard Pipe Tapered (BSPT)



Dash Size	Nominal Size [In.]	Thread Size	Female Parallel Thread	Male Parallel Thread	Torque Recommendation [Ft. Lbs.]	
			I.D. [In.]	O.D. [In.]	Min.	Max.
-2	1/8	1/8 - 28	11/32	3/8	7	9
-4	1/4	1/4 - 19	15/32	17/32	11	18
-6	3/8	3/8 - 19	19/32	21/32	19	28
-8	1/2	1/2 - 14	3/4	13/16	30	36
-10	5/8	5/8 - 14	13/16	29/32	37	44
-12	3/4	3/4 - 14	31/32	1-1/32	50	60
-16	1	1 - 11	1-7/32	1-11/32	79	95
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32	127	152
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8	167	190
-32	2	2 - 11	2-7/32	2-11/32	262	314

## Foreign Thread Types – French

Popular couplings are French GAZ. These have a 24° seat and metric threads. These are similar to German DIN couplings, but the threads are different in some sizes. Although both are metric threads, the French use fine threads in all sizes and German DIN couplings use coarse threads in larger sizes. Most port connections are flange connections. French flanges are different than SAE—they have a lip that protrudes from the flange face. These are called Poclairin-style flanges.

### GAZ 24°

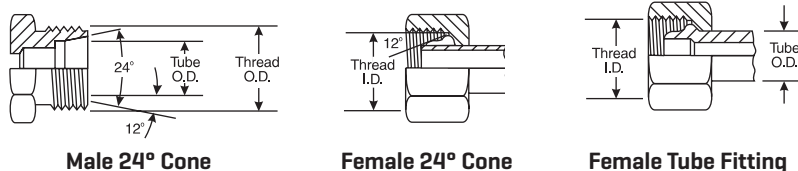
The French Metric (GAZ) male will mate with the female 24° cone or the female tube fitting.

The male has a 24° seat and straight metric threads. The female has a 24° seat or a tubing sleeve and straight metric threads and is interchangeable with female Kobelco.

When measuring the flare angle with the seat angle gauge, use the 12° gauge. The seat angle gauge measures the angle from the connector centerline.

Metric Thread Size	Female Thread I.D. [mm]	Male Thread O.D. [mm]	Tube O.D. [mm]
M20x1.5	18.5	20.0	13.25
M24x1.5	22.5	24.0	16.75
M30x1.5	28.5	30.0	21.25
M36x1.5	34.5	36.0	26.75
M45x1.5	43.5	45.0	33.50
M52x1.5	50.5	52.0	42.25

#### French Metric (GAZ)



## Foreign Thread Types – French – Continued

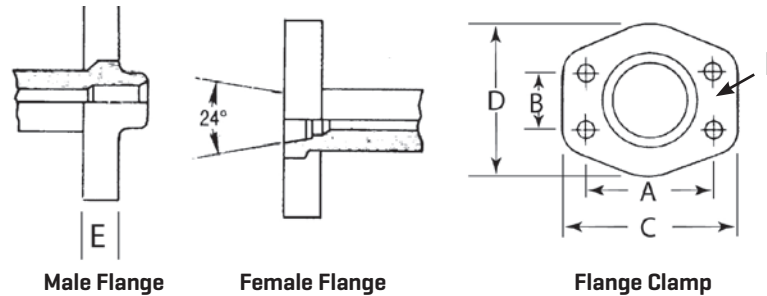
### GAZ Poclain 24° Flange

The Poclain (French GAZ) 24° high pressure flange is usually found on Poclain equipment.

The male flange will mate with a female flange or port. The seal is made on the 24° seat.

Nominal Size [In.]	A [In.]	B [In.]	C [In.]	D [In.]	E [In.]	F [In.]
1/2	1.57	.72	2.20	1.89	.55	.35
5/8	1.57	.72	2.20	1.89	.55	.35
3/4	2.00	.94	2.75	2.38	.71	.43

Poclain (French GAZ)



## Foreign Thread Types – German DIN (Deutsche Industrial Norme)

Popular couplings are German DIN [Deutsche Industrial Norme]. A coupling referred to as “metric” usually means a DIN coupling.

### DIN 24° Cone

The DIN 24° cone male will mate with any of the females shown.

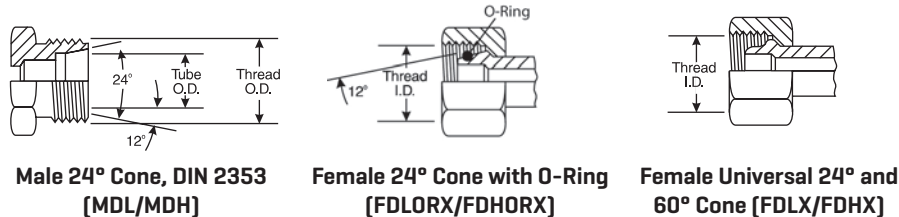
The male has a 24° seat, straight metric threads, and a recessed counterbore which matches the tube O.D. of the coupling used with it. The mating female is a 24° cone with O-ring, a metric tube fitting or a universal 24° and 60° cone.

There is a light and heavy series DIN coupling. Proper identification is made by measuring both the thread size and the tube O.D. [The heavy series has a smaller tube O.D. but a thicker wall section than the light.]

When measuring the flare angle with the seat angle gauge, use the 12° gauge. The seat angle gauge measures the angle from the connector centerline.

Metric Thread Size	Female Thread	Male Thread	Tube O.D.		Torque Recommendation [Ft. Lbs.]	
	I.D. [mm]	O.D. [mm]	Light Series [mm]	Heavy Series [mm]	Min.	Max.
M12x1.5	10.5	12.0	6	—	7	15
M14x1.5	12.5	14.0	8	—	15	26
M16x1.5	14.5	16.0	10	8	18	30
M18x1.5	16.5	18.0	12	10	22	33
M20x1.5	18.5	20.0	14	12	26	37
M22x1.5	20.5	22.0	15	14	30	52
M24x1.5	22.5	24.0	—	16	30	52
M26x1.5	24.5	26.0	18	—	44	74
M30x2.0	28.0	30.0	22	20	59	89
M36x2.0	34.0	36.0	28	25	74	111
M42x2.0	40.0	42.0	—	30	74	162
M45x2.0	43.0	45.0	35	—	133	184
M52x2.0	50.0	52.0	42	38	148	221

DIN 24° Male and Mating Females



Male 24° Cone, DIN 2353 (MDL/MDH)

Female 24° Cone with O-Ring (FDLORX/FDHORX)

Female Universal 24° and 60° Cone (FDLX/FDHX)



## Coupling Identification – Continued

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Foreign Thread Types – German DIN – Continued

### DIN 60° Cone

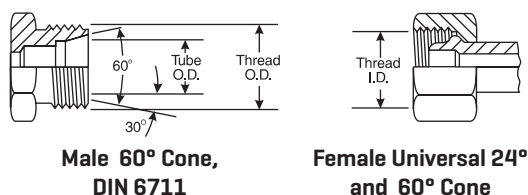
The DIN 60° cone male will mate with the female universal 24° or 60° cone connector only.

The male has a 60° seat and straight metric threads. The female has a 24° and 60° universal seat and straight metric threads.

When measuring the flare angle with the seat angle gauge, use the 30° gauge. The seat angle gauge measures the angle from the connector centerline.

Metric Thread Size	Female Thread	Male Thread	Tube O.D.	Torque Recommendation [Ft. Lbs.]	
	I.D. [mm]	O.D. [mm]	[mm]	Min.	Max.
M14x1.5	12.5	14.0	8	15	26
M16x1.5	14.5	16.0	10	18	30
M18x1.5	16.5	18.0	12	22	33
M22x1.5	20.5	22.0	15	30	52
M26x1.5	24.5	26.0	18	44	74
M30x1.5	28.5	30.0	22	59	59
M38x1.5	36.5	38.0	28	74	111
M45x1.5	43.5	45.0	35	133	184
M52x2.0	50.5	52.0	42	148	221

### DIN 60° Male and Mating Female



## Foreign Thread Types – German DIN – Continued

### DIN 3852 Couplings Type A & B [Parallel Threads]

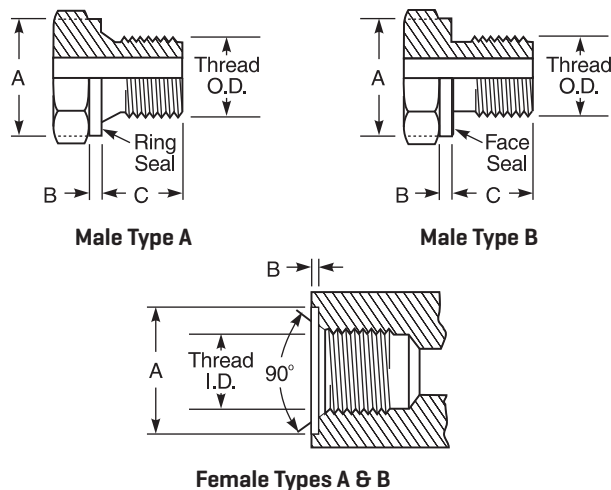
The male DIN 3852 Type A & B couplings will mate with the female DIN coupling shown below. Gates offers this thread as an adapter.

The male and female type A & B couplings have straight threads. The seal occurs when the ring seal [Type A] or the face seal [Type B] mates with the face of the female port.

There are two series of DIN 3852 Type A & B couplings, the light [L] and the heavy [S] series.

Note: Commonly used threads on male metric adapters.

### DIN 3852 Couplings Type A & B [Parallel Threads]



Series	Tube O.D. [mm]	Metric Thread Parallel								Whitworth Thread Parallel							
		Thread Size	Female			Male				Thread Size	Female [BSPOR]			Male [BSPP]			
			Thread I.D. [mm]	A [mm]	B [mm]	Thread O.D. [mm]	A [mm]	B [mm]	C [mm]		Thread I.D. [In.]	A [mm]	B [mm]	Thread O.D. [In.]	A [mm]	B [mm]	C [mm]
L Light	6	10x1.0	8.5	15	1.0	10	14	1.5	8	1/8-28	11/32	15	1.0	3/8	14	1.5	8
	8	12x1.5	10.5	18	1.5	12	17	2.0	12	1/4-19	15/32	19	1.5	1/2	17	2.0	12
	10	14x1.5	12.5	20	1.5	14	19	2.0	12	1/4-19	15/32	19	1.5	1/2	19	2.0	12
	12	16x1.5	14.5	22	1.5	16	21	2.5	12	3/8-19	19/32	23	2.0	21/32	21	2.5	12
	15	18x1.5	16.5	24	2.0	18	23	2.5	12	1/2-14	3/4	27	2.5	13/16	23	2.5	12
	18	22x1.5	20.5	28	2.5	22	27	3.0	14	1/2-14	3/4	27	2.5	13/16	27	3.0	14
	22	26x1.5	24.5	32	2.5	26	31	3.0	16	3/4-14	31/32	33	2.5	1-1/32	31	3.0	16
	28	33x2.0	31.5	40	2.5	33	39	3.0	18	1-11	1-7/32	40	2.5	1-5/16	39	3.0	18
	35	42x2.0	40.5	50	2.5	42	49	3.0	20	1-1/4-11	1-17/32	50	2.5	1-21/32	49	3.0	20
42	48x2.0	46.5	56	2.5	48	55	3.0	22	1-1/2-11	1-25/32	56	2.5	1-7/8	55	3.0	22	
S Heavy	6	12x1.5	10.5	18	1.5	12	17	2.0	12	1/4-19	15/32	19	1.5	1/2	17	2.0	12
	8	14x1.5	12.5	20	1.5	14	19	2.0	12	1/4-19	15/32	19	1.5	1/2	19	2.0	12
	10	16x1.5	14.5	22	1.5	16	21	2.5	12	3/8-19	19/32	23	2.0	21/32	21	2.5	12
	12	18x1.5	16.5	24	2.0	18	23	2.5	12	3/8-19	19/32	23	2.0	21/32	23	2.5	12
	14	20x1.5	18.5	26	2.0	20	25	3.0	14	1/2-14	3/4	27	2.5	13/16	25	3.0	14
	16	22x1.5	20.5	28	2.5	22	27	3.0	14	1/2-14	3/4	27	2.5	13/16	27	3.0	14
	20	27x2.0	25.5	33	2.5	27	32	3.0	16	3/4-14	31/32	33	2.5	1-1/32	32	3.0	16
	25	33x2.0	31.5	40	2.5	33	39	3.0	18	1-11	1-7/32	40	2.5	1-5/16	39	3.0	18
	30	42x2.0	40.5	50	2.5	42	49	3.0	20	1-1/4-11	1-17/32	50	2.5	1-21/32	49	3.0	20
38	48x2.0	46.5	56	2.5	48	55	3.0	22	1-1/2-11	1-25/32	56	2.5	1-7/8	55	3.0	22	

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Coupling Identification – Continued

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

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COUPLINGS

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QUICK  
DISCONNECT  
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LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

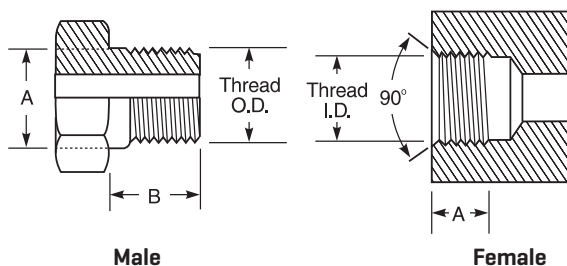
## Foreign Thread Types – German DIN – Continued

### DIN 3852 Type C Metric and Whitworth Tapered (BSPT) Thread Connectors

The DIN 3852 Type C couplings are available with either metric or Whitworth British thread. The male will mate only with the female as shown.

The male and female couplings have tapered threads. The seal takes place on the threads. There are three series of DIN 3852 Type C Couplings: extra light [LL], light [L] and heavy [S].

### DIN 3852 Type C Metric and Whitworth Tapered Thread Connectors

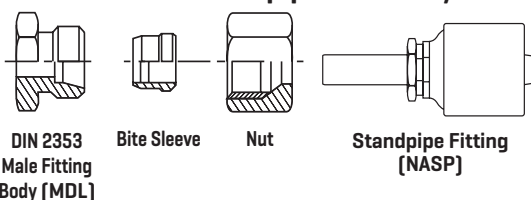


Series	Tube O.D. [mm]	Metric Tapered Threads						Whitworth Tapered Threads					
		Thread Size	Female		Male			Thread Size	Female		Male		
			Thread I.D. [mm]	A [mm]	Thread O.D. [mm]	A [mm]	B [mm]		Thread I.D. [In.]	A [mm]	Thread O.D. [In.]	A [mm]	B [mm]
LL Extra Light	4	8x1.0	6.5	5.5	8	8.40	8	1/8-28	11/32	5.5	1/8	.392	8
	5	8x1.0	6.5	5.5	8	8.40	8	1/8-28	11/32	5.5	1/8	.392	8
	6	10x1.0	8.5	5.5	10	10.40	8	1/8-28	11/32	5.5	1/8	.392	8
	8	10x1.0	8.5	5.5	10	10.40	8	1/8-28	11/32	5.5	1/8	.392	8
L Light	6	10x1.0	8.5	5.5	10	10.40	8	1/8-28	11/32	5.5	1/8	.392	8
	8	12x1.5	10.5	8.5	12	12.53	12	1/4-19	15/32	8.5	1/4	.532	12
	10	14x1.5	12.5	8.5	14	14.53	12	1/4-19	15/32	8.5	1/4	.532	12
	12	16x1.5	14.5	8.5	16	16.53	12	3/8-19	19/32	8.5	3/8	.670	12
	15	18x1.5	16.5	8.5	18	18.53	12	1/2-14	3/4	8.5	1/2	.839	14
	18	22x1.5	20.5	10.5	22	22.65	14	1/2-14	3/4	10.5	1/2	.839	14
S Heavy	6	12x1.5	10.5	8.5	12	12.53	12	1/4-19	15/32	8.5	1/4	.532	12
	8	14x1.5	12.5	8.5	14	14.53	12	1/4-19	15/32	8.5	1/4	.532	12
	10	16x1.5	14.5	8.5	16	16.53	12	3/8-19	19/32	8.5	3/8	.670	12
	12	18x1.5	16.5	8.5	18	18.53	12	3/8-19	19/32	8.5	3/8	.670	12
	14	20x1.5	18.5	10.5	20	20.65	14	1/2-14	3/4	10.5	1/2	.839	14
	16	22x1.5	20.5	10.5	22	22.65	14	1/2-14	3/4	10.5	1/2	.839	14

### Metric Stand Pipe Assembly

A metric stand pipe assembly is comprised of three components attached to a male fitting. The components are: a Stand Pipe Tube, Bite Sleeve and Metric Nut. The nut is placed over the Stand Pipe, followed by the Bite Sleeve (see illustration below). For DIN light assemblies, a DIN light metric nut is used. For DIN heavy assemblies, a DIN heavy metric nut is used. The Bite Sleeve and Stand Pipe are selected on the basis of tube O.D.

#### Metric Standpipe Assembly



Metric Stand Pipe DIN Tube O.D. [mm]	Bite Sleeve DIN Tube O.D. [mm]	Metric Nut Thread	
		Light	Heavy
6	6	M12x1.5	—
8	8	M14x1.5	M16x1.5
10	10	M16x1.5	M18x1.5
12	12	M18x1.5	M20x1.5
15	15	M22x1.5	—
16	16	—	M24x1.5
18	18	M26x1.5	—
20	20	—	M30x2.0
22	22	M30x2.0	—
25	25	—	M36x2.0
28	28	M36x2.0	—
30	30	—	M42x2.0
35	35	M45x2.0	—
38	38	—	M52x2.0
42	42	M52x2.0	—

## Foreign Thread Types – Japanese

There are two popular types of coupling styles in Japan, Japanese Industrial Standard and Komatsu. These couplings look similar to Male JIC and Female JIC Swivel couplings. However there are two major differences: The threads are BSP and the seat angle is only 30° instead of 37° for JIC.

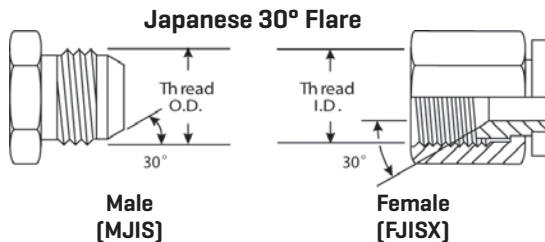
1. **Japanese Industrial Standard.** Most Japanese equipment uses this type of coupling with a 30° seat and British Standard Pipe Parallel threads. They are not interchangeable with British couplings, since the flare is not inverted.
2. **Komatsu.** All Komatsu equipment uses couplings with a 30° seat and metric fine threads. All flanges are Code 61 or Code 62, except -10 which utilizes a special Komatsu-style flange that does not conform to SAE standard sizing.

### Japanese 30° Flare Parallel Threads

The Japanese 30° flare male connector will mate with a Japanese 30° flare female only.

The male and female have straight threads and a 30° seat. The seal is made on the 30° seat.

The threads on the Japanese 30° flare connector conform to JIS B 0202, which are the same as the BSPOR threads. Both the British and Japanese connectors have a 30° seat, but they are not interchangeable because the British seat is inverted.



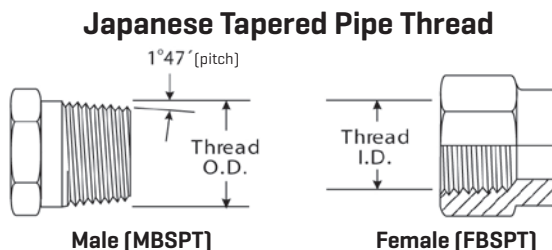
Dash Size	Nominal Size [In.]	Thread Size	Female Thread I.D. [In.]	Male Thread O.D. [In.]
-2	1/8	1/8 - 28	11/32	3/8
-4	1/4	1/4 - 19	7/16	17/32
-6	3/8	3/8 - 19	19/32	21/32
-8	1/2	1/2 - 14	3/4	13/16
-10	5/8	5/8 - 14	13/16	29/32
-12	3/4	3/4 - 14	15/16	1-1/32
-16	1	1 - 11	1-13/16	1-15/16
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8
-32	2	2 - 11	2-7/32	2-11/32

### Japanese Tapered Pipe Thread

The Japanese tapered pipe thread connector is identical to and fully interchangeable with the BSPT (tapered) connector. The Japanese connector does not have a 30° flare and will not mate with the BSPOR female.

The threads conform to JIS B 0203, which are the same as BSPT threads.

The seal on the Japanese tapered pipe thread connector is made on the threads.



Dash Size	Nominal Size [In.]	Thread Size	Female Parallel Thread I.D. [In.]	Male Parallel Thread O.D. [In.]
-2	1/8	1/8 - 28	11/32	3/8
-4	1/4	1/4 - 19	7/16	17/32
-6	3/8	3/8 - 19	19/32	21/32
-8	1/2	1/2 - 14	3/4	13/16
-12	3/4	3/4 - 14	15/16	1-1/32
-16	1	1 - 11	1-13/16	1-15/16
-20	1-1/4	1-1/4 - 11	1-17/32	1-21/32
-24	1-1/2	1-1/2 - 11	1-25/32	1-7/8
-32	2	2 - 11	2-7/32	1-11/32
-32	2	2 - 11	2-7/32	2-11/32

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Coupling Identification – Continued

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

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COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

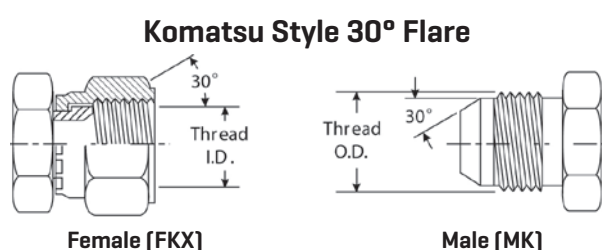
EQUIPMENT AND  
PARTS

## Foreign Thread Types – Japanese – Continued

### Komatsu Style 30° Flare Parallel Threads

The Komatsu style 30° flare parallel thread connector is identical to the Japanese 30° flare parallel thread connector except for the threads. The Komatsu style connector uses metric fine threads which conform to JIS B 0207. Gates identifies these as Komatsu-style by marking the hex nuts with two small notches.

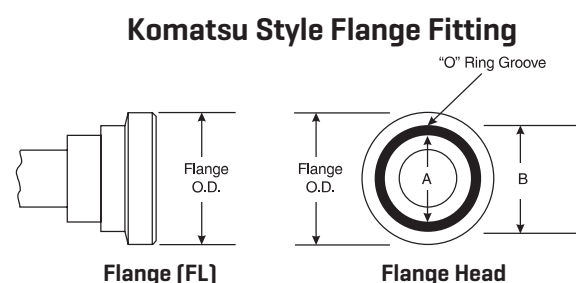
The Komatsu style connector seals on the 30° flare.



Dash Size	Nominal Size		Thread Size	Female Thread I.D. [mm]	Male Thread [O.D.] [mm]
	[In.]	[mm]			
-4	1/4	6.5	M14x1.5	12.5	14
-6	3/8	9.5	M18x1.5	16.5	18
-8	1/2	13	M22x1.5	20.5	22
-10	5/8	16	M24x1.5	22.5	24
-12	3/4	19	M30x1.5	28.5	30
-16	1	25	M33x1.5	31.5	33
-20	1-1/4	32	M36x1.5	34.5	36
-24	1-1/2	38	M42x1.5	40.5	42

### Komatsu Style Flange Fitting

The Komatsu style flange fitting is nearly identical to and fully interchangeable with the SAE Code 61 flange fitting. In all sizes the O-ring dimensions are different. When replacing a Komatsu style flange with an SAE style flange, an SAE style O-ring must always be used.

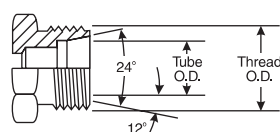


Dash Size	Nominal Size		Flange O.D. [In.]	A [In.]	B [In.]
	[In.]	[mm]			
-8	1/2	12.7	1.188	.728	.984
-10*	5/8	15.9	1.345	.728	1.102
-12	3/4	19.1	1.500	.846	1.220
-16	1	25.4	1.750	1.122	1.496
-20	1-1/4	31.8	2.000	1.358	1.732
-24	1-1/2	38.1	2.375	1.750	2.125
-32	2	50.8	2.812	2.225	2.559

\*[-10 is a non-SAE size flange]

### Metric Kobelco Metric Bite Sleeve

These are similar to the German DIN 24° cone, but the DIN style uses coarser threads. Therefore, the Kobelco and German DIN are not interchangeable for female Kobelco [see French GAZ 24° swivel].



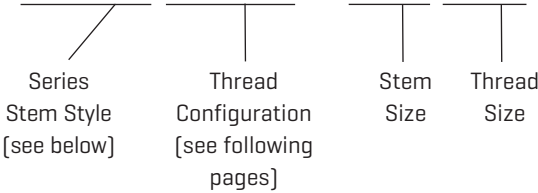
Dash Size	Metric Thread Size	Female Thread I.D. [mm]	Male Thread O.D. [mm]
-22	M30X1.5	28	30
-28	M36X1.5	34	36
-35	M45X1.5	43	45

# Gates Global Part Numbering System

Gates couplings feature a meaningful part number that makes coupling identification fast and easy. Always refer to Gates Crimp Data Manual when selecting hose and coupling combinations.

In the following example, the Global Part Number G25100-0808 identifies a MegaCrimp® Male Pipe [MP] coupling with -8 [1/2"] stem size and -8 [1/2"] thread size.

**G25100-0808**



### Series Stem Styles:

- G17** - Stainless Steel Braid Couplings
- G18** - Stainless Steel Spiral Couplings
- G19** - G8K Couplings
- G20** - GlobalSpiral™ Couplings
- G21** - GlobalSpiral™ One Piece Couplings For MC4-20 Crimper
- G22** - GlobalSpiral™ Plus [GSP]
- G23** - GlobalSpiral™ Max [-32] [GSM] Pressure Couplings
- G24** - GlobalSpiral™ Max [GSM] Pressure Couplings
- G25** - MegaCrimp® Couplings
- G27** - Field Attachable Type T for G1 Hose [1 Wire]
- G28** - Field Attachable Type T for G2 Hose [2 Wire]
- G34** - Field Attachable for C5CXH, C5C, C5D & C5M Hose
- G35** - Field Attachable for C5E Hose
- G36** - Brass Lock-On Field Attachable Couplings for LOC & LOL Hose
- G40** - C14 Couplings
- G43** - GL Couplings
- G44** - GLX® Couplings
- G45** - PolarSeal® Couplings
- G46** - PolarSeal® II Couplings
- G50** - Power Steering Couplings
- G51** - PCTS Thermoplastic Couplings

### Other Non-Stem Series Styles:

- G30** - Air Brake Copper Tubing
- G31** - SureLok™ Air Brake Couplings
- G32** - Compression Air Brake
- G33** - Air Brake Couplings For Rubber Hose
- G37** - Single Bead
- G38** - Barbed Stem
- G49** - Automotive Adapters
- G52** - Gates OE-Style Clamp Collars
- G55** - Copper Tubing Industrial
- G56** - Industrial SureLok™
- G57** - Mini-Barbed Tube
- G58** - Compression PVC
- G60** - SAE to SAE Adapters
- G62** - British to SAE Adapters
- G63** - Metric Conversion Adapters
- G64** - International to International Adapters
- G65** - Japanese Conversion Adapters
- G80** - Hose Bend Restrictors
- G81** - Hose Guards
- G82** - G82 & G83 Spring Guards
- G83** - G82 & G83 Spring Guards
- G89** - C14 Assembly
- G93** - Live Swivel
- G94** - Quick Disconnect Couplers
- G95** - Quick Disconnect Couplers
- G96** - Ball Valves

HOSE

HOSE/CPLG.  
SELECTION

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ADAPTERS

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DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



# Gates Global Part Numbering System – Continued

## Thread Configurations for Stem Styles

These three-digit numbers identify the various coupling thread configurations

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

<b>100</b> - MP	Male Pipe (NPTF - 30° Cone Seat)	<b>306</b> - FL45S	Code 61 O-Ring Flange - 45° Bent Tube - Short
<b>101</b> - MPLN	Male Pipe Long Nose	<b>307</b> - FL45	Code 61 O-Ring Flange - 45° Bent Tube
<b>102</b> - MPAPI	API Line Pipe Connection	<b>308</b> - FL60S	Code 61 O-Ring Flange - 60° Bent Tube - Short
<b>103</b> - MPLH	Male Pipe (NPTF - 30° Cone Seat) - Long Hex	<b>309</b> - FL60M	Code 61 O-Ring Flange - 60° Bent Tube - Medium
<b>105</b> - MPX	Male Pipe Swivel (NPTF - Without 30° Cone Seat)	<b>311</b> - FL67	Code 61 O-Ring Flange - 67 1/2° Bent Tube
<b>106</b> - MPX90	Male Pipe Swivel - 90° Block (NPTF - Without 30° Cone Seat)	<b>313</b> - FL90XS	Code 61 O-Ring Flange - 90° Bent Tube - Extra Short
<b>107</b> - MPX90L	Male Pipe Swivel - 90° Long Block (NPTF - Without 30° Cone Seat)	<b>314</b> - FL90S	Code 61 O-Ring Flange - 90° Bent Tube - Short
<b>110</b> - FP	Female Pipe (NPTF - Without 30° Cone Seat)	<b>315</b> - FL90M	Code 61 O-Ring Flange - 90° Bent Tube - Medium
<b>111</b> - FPX	Female Pipe Swivel (NPSM - 30° Cone Seat)	<b>316</b> - FL90L	Code 61 O-Ring Flange - 90° Bent Tube - Long
<b>120</b> - MB	Male O-Ring Boss	<b>317</b> - FL90XL	Code 61 O-Ring Flange - 90° Bent Tube - Extra Long
<b>121</b> - MBX	Male O-Ring Boss Swivel	<b>318</b> - FL90XXL	Code 61 O-Ring Flange - 90° Bent Tube - Extra Extra Long
<b>122</b> - MBX45BL	Male O-Ring Boss Swivel - 45° Block	<b>319</b> - FL90Non-ISO	Code 61 O-Ring Flange - 90° Bent Tube - Non-ISO
<b>123</b> - MBX90BL	Male O-Ring Boss Swivel - 90° Block	<b>323</b> - FL100	Code 61 O-Ring Flange - 100° Bent Tube
<b>124</b> - MBX90BL	Male O-Ring Boss Swivel - 90° Block Long	<b>325</b> - FL110	Code 61 O-Ring Flange - 110° Bent Tube
<b>126</b> - MBX45	Male O-Ring Boss Swivel - 45° Bent Tube	<b>327</b> - FL120	Code 61 O-Ring Flange - 120° Bent Tube
<b>128</b> - MBX90	Male O-Ring Boss Swivel - 90° Bent Tube	<b>329</b> - FL125	Code 61 O-Ring Flange - 125° Bent Tube
<b>134</b> - MBAX90M	Male O-Ring Boss Adapterless Swivel - 90° Bent Tube - Medium	<b>331</b> - FL135	Code 61 O-Ring Flange - 135° Bent Tube
<b>140</b> - FMX	Female MegaSeal Swivel	<b>342</b> - RFL90S	Special Flange - 90°
<b>145</b> - FMX45	Female MegaSeal Swivel - 45° Bent Tube	<b>345</b> - BSPP-LX	Male BSPP to Male BSPP
<b>149</b> - FMX90S	Female MegaSeal Swivel - 90° Bent Tube - Short	<b>350</b> - FLH	Code 62 O-Ring Flange Heavy
<b>150</b> - FMX90	Female MegaSeal Swivel - 90° Bent Tube	<b>352</b> - FLH22	Code 62 O-Ring Flange Heavy - 22 1/2° Bent Tube
<b>151</b> - FMX90L	Female MegaSeal Swivel - 90° Bent Tube - Long	<b>353</b> - FLH20	Code 62 O-Ring Flange Heavy - 22° Bent Tube
<b>165</b> - MJ	Male JIC 37° Flare	<b>354</b> - FLH30	Code 62 O-Ring Flange Heavy - 30° Bent Tube
<b>170</b> - FJX	Female JIC 37° Flare Swivel	<b>357</b> - FLH45	Code 62 O-Ring Flange Heavy - 45° Bent Tube
<b>171</b> - FJXL	Female JIC 37° Flare Swivel - Long	<b>359</b> - FLH60	Code 62 O-Ring Flange Heavy - 60° Bent Tube
<b>172</b> - FJX30	Female JIC 37° Flare Swivel - 30° Bent Tube	<b>360</b> - FLH67	Code 62 O-Ring Flange Heavy - 67 1/2° Bent Tube
<b>174</b> - FJX45S	Female JIC 37° Flare Swivel - 45° Bent Tube - Short	<b>364</b> - FLH90S	Code 62 O-Ring Flange Heavy - 90° Bent Tube - Short
<b>175</b> - FJX45	Female JIC 37° Flare Swivel - 45° Bent Tube	<b>365</b> - FLH90M	Code 62 O-Ring Flange Heavy - 90° Bent Tube - Medium
<b>176</b> - FJX45L	Female JIC 37° Flare Swivel - 90° Bent Tube - Long	<b>366</b> - FLH90L	Code 62 O-Ring Flange Heavy - 90° Bent Tube - Long
<b>177</b> - FJX60	Female JIC 37° Flare Swivel - 60° Bent Tube	<b>367</b> - FLH90XL	Code 62 O-Ring Flange Heavy - 90° Bent Tube - Extra Long - Non ISO
<b>179</b> - FJX90S	Female JIC 37° Flare Swivel - 90° Bent Tube - Short	<b>369</b> - GS-FLH110	Code 62 O-Ring Flange Heavy - 110° Bent Tube
<b>180</b> - FJX90M	Female JIC 37° Flare Swivel - 90° Bent Tube - Medium	<b>370</b> - FLFF	Code 61 Flange Without O-Ring Groove
<b>181</b> - FJX90L	Female JIC 37° Flare Swivel - 90° Bent Tube - Long	<b>400</b> - FLC	Caterpillar Style O-Ring Flange
<b>182</b> - FJX90XL	Female JIC 37° Flare Swivel - 90° Bent Tube - Extra Long	<b>401</b> - FLC1	Caterpillar Style O-Ring Flange - Long
<b>183</b> - FJX90	Female JIC 37° Flare Swivel - 90° Bent Tube	<b>402</b> - FLC22	Caterpillar Style O-Ring Flange - 22 1/2° Bent Tube
<b>187</b> - FJX90BLK	Female JIC 37° Flare Swivel - 90° Block	<b>404</b> - FLC30	Caterpillar Style O-Ring Flange - 30° Bent Tube
<b>195</b> - MS	Male SAE 45° Flare	<b>407</b> - FLC45	Caterpillar Style O-Ring Flange - 45° Bent Tube
<b>196</b> - MS45	Male SAE 45° Flare - 45° Bent Tube	<b>408</b> - FLC45	Caterpillar Style O-Ring Flange - 45° Bent Tube
<b>197</b> - MS90	Male SAE 45° Flare - 90° Bent Tube	<b>409</b> - FLC60	Caterpillar Style O-Ring Flange - 60° Bent Tube
<b>200</b> - FSX	Female SAE 45° Flare Swivel	<b>410</b> - FLC67	Caterpillar Style O-Ring Flange - 67 1/2° Bent Tube
<b>202</b> - FSX45	Female SAE 45° Flare Swivel - 45° Bent Tube	<b>415</b> - FLC90	Caterpillar Style O-Ring Flange - 90° Bent Tube
<b>204</b> - FSX90S	Female SAE 45° Flare Swivel - 90° Bent Tube - Short	<b>416</b> - FLC90L	Caterpillar Style O-Ring Flange - 90° Bent Tube - Long
<b>205</b> - FSX90	Female SAE 45° Flare Swivel - 90° Bent Tube	<b>420</b> - FPFL	Female French GAZ (Poclair) 24° High Pressure Flange
<b>206</b> - FSX90L	Female SAE 45° Flare Swivel - 90° Bent Tube - Long	<b>450</b> - FJ/FB-LX	Male JIC to Female Boss
<b>210</b> - FJSX	Dual Seat Female JIC 37°/SAE 45° Flare Swivel	<b>460</b> - ABC	Air Brake Compression
<b>211</b> - FJSX45	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube	<b>461</b> - STA	Straight Tube Assembly
<b>212</b> - FJSX90	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube	<b>462</b> - STA-ABC	Straight Tube Assembly (STA) and One Air Brake Compression (ABC)
<b>213</b> - RFJSX90L	Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Long	<b>480</b> - MPFL	Male French GAZ (Poclair) 24° High Pressure Flange
<b>225</b> - MFFOR	Male Flat-Face O-Ring	<b>482</b> - MPFL90	Male French GAZ (Poclair) 24° High Pressure Flange - 90° Bent Tube
<b>226</b> - MFFORBKHDNLN	Male Flat-Face O-Ring Bulk Head Long Nose	<b>500</b> - MIX	SAE Male Inverted Swivel
<b>230</b> - FFORX	Female Flat-Face O-Ring Swivel	<b>502</b> - MIX45	SAE Male Inverted Swivel - 45° Bent Tube
<b>232</b> - FFORX22	Female Flat-Face O-Ring Swivel - 22 1/2° Bent Tube	<b>504</b> - MIX90	SAE Male Inverted Swivel - 90° Bent Tube
<b>233</b> - FFORX30	Female Flat-Face O-Ring Swivel - 30° Bent Tube	<b>510</b> - MFA	SAE Male Flareless Assembly
<b>234</b> - FFORX45S	Female Flat-Face O-Ring Swivel - 45° Bent Tube - Short	<b>511</b> - MFA90	Male SAE Flareless Assembly - 90° Block
<b>235</b> - FFORX45	Female Flat-Face O-Ring Swivel - 45° Bent Tube	<b>520</b> - SP	North American Stand Pipe
<b>238</b> - FFORX67	Female Flat-Face O-Ring Swivel - 67 1/2° Bent Tube	<b>527</b> - FBO	Female Braze-On Stems
<b>239</b> - FFORX90S	Female Flat-Face O-Ring Swivel - 90° Bent Tube - Short	<b>534</b> - HLEC	Hose Length Extender - Caterpillar
<b>240</b> - FFORX90M	Female Flat-Face O-Ring Swivel - 90° Bent Tube - Medium	<b>535</b> - HLE	Hose Length Extender
<b>241</b> - FFORX90L	Female Flat-Face O-Ring Swivel - 90° Bent Tube - Long	<b>536</b> - HLE45	Hose Length Extender - 45° Bent Tube
<b>248</b> - FFORX135	Female Flat-Face O-Ring Swivel - 135° Bent Tube	<b>537</b> - HLE90	Hose Length Extender - 90° Bent Tube
<b>300</b> - FL	Code 61 O-Ring Flange	<b>538</b> - HLESG	Hose Length Extender with Sight Glass
<b>301</b> - FLL	Code 61 O-Ring Flange Long Neck	<b>539</b> - HLET	Hose Length Extender - Tee
<b>302</b> - FL22M	Code 61 O-Ring Flange - 22 1/2° Bent Tube - Medium	<b>540</b> - FABX	Female Air Brake Swivel
<b>304</b> - FL30	Code 61 O-Ring Flange - 30° Bent Tube	<b>541</b> - HLE180	Hose Length Extender - 180° Bent Tube
		<b>542</b> - HLEY	Y Splicer
		<b>543</b> - TBFLX	Two-Bolt Flange Swivel

# Gates Global Part Numbering System – Continued

## Thread Configurations for Stem Styles – Continued

<b>561</b> - FG	Female Grease	<b>845</b> - FBSPORX90BL	Female British Standard Parallel Pipe O-Ring Swivel - 90° Block
<b>562</b> - FZX	Female Parker Triple Thread Flare	<b>850</b> - BSPBJ	International Thread British Std Pipe Banjo
<b>563</b> - PWX	Pressure Wash Swivel	<b>855</b> - FBFFX	Female British Flat-Face Swivel
<b>564</b> - BJ	US Banjo	<b>910</b> - FKX	Female Komatsu Style Japanese Metric Swivel
<b>578</b> - MTON180	Male O-Ring [MOR] - 180° Bent Tube	<b>911</b> - FKX45	Female Komatsu Style Japanese Metric Swivel - 45° Bent Tube
<b>580</b> - MTON134SP	Male SAE Tube O-Ring Nut Swivel with R134a Service Port	<b>913</b> - FKX90	Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube
<b>582</b> - MTON134SP90	Male SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube	<b>930</b> - FJISX	Female Japanese Industrial Standard Swivel
<b>583</b> - MTON	Male SAE Tube O-Ring Nut Swivel	<b>935</b> - MMFA	Male Metric Flareless Assembly
<b>584</b> - MTON45	Male SAE Tube O-Ring Nut - 45° Bent Tube	<b>947</b> - FSLTORSP	Female [Ford] Spring Lock Tee O-Ring Splicer
<b>585</b> - MTON90	Male SAE Tube O-Ring Nut - 90° Bent Tube	<b>948</b> - FSLSP	Female [Ford] Spring Lock Liquid Line Splicer
<b>586</b> - FTONR12SP	Female SAE Tube O-Ring Nut Swivel with R12 Service Port	<b>949</b> - MSL45	Male [Ford] Spring Lock - 45° Bent Tube
<b>587</b> - FTONR12SP90	Female SAE Tube O-Ring Nut Swivel with R12 Service - 90° Bent Tube	<b>950</b> - MSL	Male [Ford] Spring Lock
<b>588</b> - FTON134SP	Female SAE Tube O-Ring Nut Swivel with R134a Service Port	<b>951</b> - MSL90	Male [Ford] Spring Lock - 90° Bent Tube
<b>589</b> - FTON134SP90	Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube	<b>952</b> - FSL	Female [Ford] Spring Lock
<b>590</b> - FTON	Female SAE Tube O-Ring Nut Swivel	<b>953</b> - FSL90	Female [Ford] Spring Lock - 90° Bent Tube
<b>591</b> - FTON45	Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube	<b>954</b> - R12SP	Hose Splicer with R12 Thread Service Port
<b>592</b> - FTON90	Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube	<b>955</b> - FSL45	Female [Ford] Spring Lock - 45° Bent Tube
<b>593</b> - FTOMN	Female SAE Tube O-Ring Metric Nut Swivel	<b>956</b> - R134SP	Hose Splicer with R134a Service Port
<b>594</b> - FTOMN45	Female SAE Tube O-Ring Metric Nut Swivel - 45° Bent Tube	<b>957</b> - R134SP-RL	Female Rotolok with R134a Service Port - 90° Block
<b>595</b> - FTOMN90	Female SAE Tube O-Ring Metric Nut Swivel - 90° Bent Tube	<b>958</b> - CFTON90	Compressor Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube
<b>596</b> - FTON90BL	Female SAE Tube O-Ring Nut Swivel - 90° Block	<b>959</b> - CFTON90BL	Compressor Female SAE Tube O-Ring Nut Swivel - 90° Block
<b>597</b> - MIO	Male Inverted O-Ring	<b>960</b> - CFTON134SP90BL	Compressor Female Tube O-Ring Nut with 134a Service Port - 90° Block
<b>598</b> - MIO45	Male Inverted O-Ring - 45° Bent Tube	<b>961</b> - CBSR12SP90	Compressor Block - Single w/Switch or Service Port - 90° Bent Tube
<b>599</b> - MIO90	Male Inverted O-Ring - 90° Bent Tube	<b>962</b> - CBSRR12SP90	Compressor Block - Single Reverse w/Switch or Service Port - 90° Bent Tube
<b>600</b> - MIOBKHD	Male Inverted O-Ring Bulkhead	<b>963</b> - FTOMN90134SPH	Metric Female O-Ring [FOR] with Switch or Service Port - 90° Bent Tube
<b>602</b> - MIOBKHD90	Male Inverted O-Ring Bulkhead - 90° Bent Tube	<b>964</b> - FTOMN90SPL	Metric Female O-Ring [FOR] with Switch or Service Port - 90° Bent Tube
<b>604</b> - FTDON	Female SAE Tube Dual O-Ring Nut	<b>965</b> - MIOM	Metric Male Insert O-Ring [MIO]
<b>605</b> - FTDON45	Female SAE Tube Dual O-Ring Nut - 45° Bent Tube	<b>970</b> - MQLH	Male Quick-Lok High
<b>606</b> - FTDON90	Female SAE Tube Dual O-Ring Nut - 90° Bent Tube	<b>971</b> - MQLH45S	Male Quick-Lok High - 45° Bent Tube - Short
<b>607</b> - FTDOMN	Female SAE Tube Dual O-Ring Metric Nut	<b>972</b> - MQLH90S	Male Quick-Lok High - 90° Bent Tube - Short
<b>608</b> - FTDOMN45	Female SAE Tube Dual O-Ring Metric Nut - 45° Bent Tube	<b>973</b> - MQLH90L	Male Quick-Lok High - 90° Bent Tube - Long
<b>609</b> - FTDOMN90	Female SAE Tube Dual O-Ring Metric Nut - 90° Bent Tube	<b>974</b> - MB	Female Quick-Lok High to Male O-Ring Boss Adapter
<b>610</b> - FTON180	Female SAE Tube O-Ring Nut - 180° Bent Tube	<b>995</b> - G8K1F	G8K Ferrule for G8K Spiral Hose
<b>611</b> - MIO134SP	Male Inverted O-Ring with R134a Service Port	<b>995</b> - GS1F	GS Ferrule for 4-Spiral Hose
<b>613</b> - MIO134SP90	Male Inverted O-Ring with R134a Service Port - 90° Bent Tube	<b>995</b> - GSP1F	GSP Ferrule for 4-Spiral EF Hose
<b>614</b> - TORSP	Universal Tee O-Ring Splicer English Threads	<b>995</b> - B1F	Non-Skive Ferrule
<b>615</b> - MDL	Male DIN 24° Cone - Light Series	<b>995</b> - CLAMP	Clamp Assemblies
<b>645</b> - FDLORX	Female DIN 24° Cone Swivel - Light Series with O-Ring	<b>995</b> - S1F	Stainless Steel Spiral Couplings-Non-Skive Ferrules
<b>650</b> - FDLORX45	Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube	<b>995</b> - S2F	Stainless Steel Spiral Couplings-Skive Ferrules
<b>655</b> - FDLORX90	Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube		
<b>675</b> - MFG	Male French GAZ		
<b>680</b> - FFGX	Female French GAZ Swivel		
<b>688</b> - FTON134SPH	Female SAE Tube O-Ring Nut Swivel with R134a High Pressure Service Port		
<b>690</b> - FFGX90	Female French GAZ Swivel - 90° Bent Tube		
<b>691</b> - FFGX90S	Female French GAZ Swivel - 90° Bent Tube - Short		
<b>715</b> - MDH	Male DIN 24° Cone - Heavy Series		
<b>720</b> - FDHORX	Female DIN 24° Cone Swivel - Heavy Series with O-Ring		
<b>725</b> - FDHORX45	Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube		
<b>730</b> - FDHORX90	Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube		
<b>735</b> - MKB	Male Kobelco Style		
<b>750</b> - MSP	Metric Light Stand Pipe		
<b>770</b> - DBJ	International Thread Metric 7642 DIN Banjo		
<b>795</b> - MBSPT	Male British Standard Pipe Tapered/Japanese Tapered Thread		
<b>810</b> - MBSPP	Male British Standard Pipe Parallel		
<b>830</b> - FBSPX	Female British Standard Parallel Pipe O-Ring Swivel		
<b>830</b> - FBSPORX	Female British Standard Parallel Pipe O-Ring Swivel		
<b>831</b> - FBSPORX45	Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube		
<b>832</b> - FBSPORX90	Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube		

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

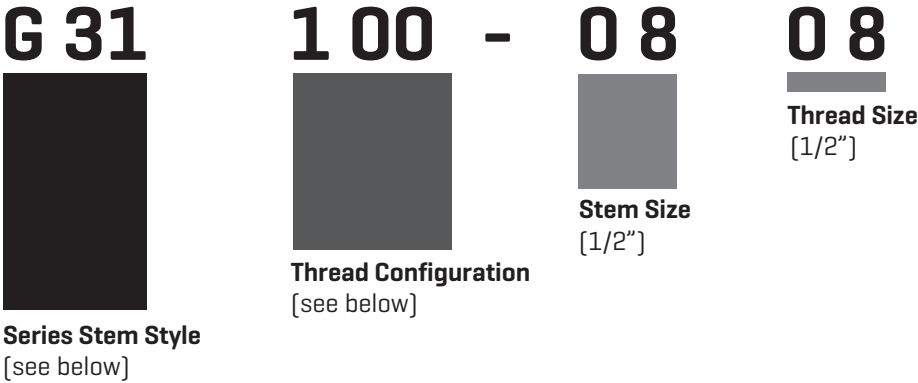
ACCESSORIES

EQUIPMENT AND  
PARTS

# Gates Global Part Numbering System - Continued

## Air Brake

In the following example, the Global Part Number G31100-0808 identifies a SureLok™ Male Pipe [MP] coupling with -8 [1/2"] tube size and -8 [1/2"] thread size.



### Series Stem Styles:

- G31—SureLok™ Fittings [Description = AB]
- G32—Compression Fittings [Description = ABC]
- G33—Air Brake Fittings for Rubber Hose [Description = ABR]

### THREAD CONFIGURATIONS

These three-digit numbers identify the various coupling thread configurations

<b>021</b> - MP-ATDV	Air Tank Drain Valve	<b>138</b> - AB-AB-MP90	Air Brake to Male Pipe - Tee - 90°
<b>022</b> - MP-AV	Air Vent	<b>140</b> - MPX-AB-AB	Male Pipe Swivel to Air Brake to Air Brake - Tee
<b>027</b> - MP-CV	One Way Check Valve	<b>142</b> - AB-AB-MPX	Air Brake on Run to Male Pipe Swivel - Tee
<b>028</b> - CTI-MP-CV	Copper Tubing Industrial to Male Pipe - Check Valve	<b>150</b> - AB-FP	Air Brake to Female Pipe
<b>030</b> - MAB-MP	Air Brake Adapter	<b>151</b> - ABR-FABX-MPA	Air Brake to Female Air Brake Swivel with Adapter
<b>031</b> - GH	Gladhand	<b>154</b> - AB-FP90	Air Brake to Female Pipe - 90°
<b>032</b> - GH-SEAL	Gladhand Seal	<b>160</b> - AB-AB-FP	Air Brake on Run to Female Pipe - Tee
<b>040</b> - TSI-AB	Tube Sleeve Insert	<b>161</b> - MP-FP-CTI	Male Pipe to Female Pipe to Copper Tubing Industrial - Tee
<b>050</b> - TS-AB	Tube Sleeve	<b>168</b> - AB-MP-FP	Air Brake to Male Pipe to Female Pipe
<b>060</b> - TSN-AB	Tube Sleeve Nut	<b>190</b> - MBT-MFA	Mini-Barb to Male Flareless Assembly
<b>061</b> - SGN-ABR	Spring Guard Nut	<b>300</b> - AB-AB-BKHD	Air Brake Bulkhead
<b>080</b> - CARTRIDGE-AB	Air Brake Cartridge	<b>301</b> - FP-FPBKHD	Air Brake Bulkhead
<b>099</b> - CARTRIDGE-SLI	Cartridge	<b>302</b> - MP-FPBKHD	Air Brake Bulkhead
<b>100</b> - AB-MP	Air Brake to Male Pipe	<b>303</b> - MP-FPBKHD	Air Brake Bulkhead
<b>102</b> - AB-MP45	Air Brake to Male Pipe - 45°	<b>350</b> - AB-MFA-BKHD	Air Brake to Male Flareless Assembly Bulkhead
<b>104</b> - AB-MP90	Air Brake to Male Pipe - 90°	<b>360</b> - AB-FP-BKHD	Air Brake to Female Pipe Bulkhead
<b>105</b> - AB-MP-PT90	Air Brake to Male Pipe - 90° with port	<b>400</b> - AB-AB	Air Brake Union
<b>106</b> - ABC-MP90L	Air Brake to Male Pipe - 90° - Long	<b>401</b> - MBT-MBTL	Mini-Barb Union - Long
<b>110</b> - ABRSG-MP	Air Brake to Male Pipe with Spring Guard	<b>402</b> - SLI-SLI-D	Double Union
<b>111</b> - ABRI-MP	Air Brake to Male Pipe without Nut	<b>404</b> - AB-AB90	Air Brake Union - 90°
<b>112</b> - SGABR	Air Brake Spring Guard	<b>450</b> - AB-AB-AB	Air Brake Union - Tee
<b>122</b> - AB-MPX45	Air Brake to Male Pipe Swivel - 45°	<b>452</b> - ABC-ABC-ABC	Air Brake Union - Tee
<b>124</b> - AB-MPX90	Air Brake to Male Pipe Swivel - 90°	<b>453</b> - AB-AB-ABMH	Air Brake Union - Tee with Mounting Hole
<b>130</b> - MP-AB-AB	Male Pipe to Air Brake to Air Brake - Tee	<b>601</b> - ABC-MP90TV	Air Brake to Male Pipe Truck Valve - 90°
<b>131</b> - MP-AB-ABC	Male Pipe to Air Brake to Air Brake - Tee	<b>602</b> - MP-ABC90TV	Male Pipe to Air Brake Truck Valve - 90°
<b>134</b> - AB-AB-MP	Air Brake on Run to Male Pipe - Tee	<b>610</b> - MP-MS90-TV	Male Pipe to Male SAE 45 Flare Truck Valve - 90°
<b>135</b> - AB-AB-MP	Air Brake on Run to Male Pipe - Tee	<b>612</b> - MS-MP90-TV	Male SAE 45 Flare to Male Pipe Truck Valve - 90°
<b>136</b> - AB-AB-MP	Air Brake on Run to Male Pipe - Tee	<b>620</b> - SB-MP90-TV	Single Bead Male Pipe Truck Valve - 90°

# Gates Global Part Numbering System – Continued

## Air Brake – Continued

<b>622</b> - SB-MP90-TVP	Single Bead to Male Pipe Truck Valve with Pin Handle - 90°
<b>630</b> - FP-MP90-TV	Female Pipe to Male Pipe Truck Valve - 90°
<b>650</b> - FP-FP-FP3WTV	3-Way Truck Valve
<b>655</b> - FP-FP-FP4WTV	4-Way Truck Valve
<b>656</b> - FP-FP-FP4WTV-L	4-Way Truck Valve - Long
<b>701</b> - MFA-MFASC	Male Flareless Assembly to Male Flareless Assembly Shut-Off Cock
<b>705</b> - MFA-MPSC	Male Flareless Assembly to Male Pipe Shut-Off Cock
<b>710</b> - MP-FPSC	Male Pipe to Female Pipe Shut-Off Cock
<b>715</b> - FP-FPSC	Female Pipe to Female Pipe Shut-Off Cock
<b>720</b> - MS-MPSC	Male SAE 45° Flare to Male Pipe Shut-Off Cock
<b>730</b> - MS-MSSC	Male SAE 45° Flare to Male SAE 45° Flare Shut-Off Cock
<b>801</b> - MP-ADC	Male Pipe Air Drain Cock
<b>805</b> - FP-MPADC	Female Pipe to Male Pipe Air Drain Cock
<b>823</b> - BN-MPDC90	Male Pipe Drain Cock - Bibb Nose
<b>830</b> - MP-ISDC	Male Pipe Drain Cock - Internal Seat
<b>831</b> - MP-ESDC	Male Pipe Drain Cock - External Seat
<b>832</b> - MP-ADCBN	Male Pipe Air Drain Cock - Bibb Nose
<b>850</b> - ATNKV	Air Tank Valve
<b>901</b> - MFA-MFANV	Male Flareless Assembly to Male Flareless Assembly - Needle Valve
<b>905</b> - MFA-MP90NV	Male Flareless Assembly to Male Flareless Assembly - Needle Valve - 90°
<b>910</b> - MFA-MPNV	Male Flareless Assembly to Male Pipe - Needle Valve
<b>915</b> - MP-MPNV	Male Pipe to Male Pipe - Needle Valve
<b>920</b> - MP-FPNV	Male Pipe to Female Pipe - Needle Valve
<b>930</b> - FP-FPNV	Female Pipe to Female Pipe - Needle Valve
<b>940</b> - MS-MPNV	Male SAE 45° Flare to Male Pipe - Needle Valve
<b>945</b> - MS-MP90NV	Male SAE 45° Flare to Male Pipe - Needle Valve - 90°
<b>950</b> - MS-MSNV	Male SAE 45° Flare to Male SAE 45° Flare - Needle Valve
<b>970</b> - AB-MANIFOLD	6-Port Manifold
<b>975</b> - SLI-SLI-SLI-Y	Union - "Y"
<b>978</b> - MPX-SLI-SLI-Y	Male Pipe Swivel to Industrial SureLok Union - "Y"

HOSE

HOSE/CPLG.  
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MEGACRIMP  
COUPLINGS

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POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

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# Gates Global Part Numbering System - Continued

## Adapters

In the following example, the Global Part Number G60110-0808 identifies a Male Pipe NPTF [MP] to Male Pipe NPTF [MP] adapter with -8 [1/2"] pipe thread and -8 [1/2"] pipe thread size. Meets SAE100R2 working pressures except where noted.

### SERIES STEM STYLES:

**G60** - SAE to SAE      **G62** - British to SAE      **G63** - Metric to SAE      **G64** - International to International      **G65** - Japanese Conversion

**G 60**



Adapter Style

**1 1 0 - 0 8**



Thread Configuration  
[see below]

**0 8**



Thread Size  
[Measured in  
1/16" - 8/16 = 1/2"]

Stem Size  
[Measured in 1/16" - 8/16 = 1/2"]

## THREAD CONFIGURATIONS

These three-digit numbers identify the various coupling thread configurations

### SAE to SAE

<b>60050</b> - FFN	Female Flareless Nut
<b>60051</b> - FFS	Female Flareless Sleeve
<b>60102</b> - MP-PLUG	Male Pipe NPTF Plug
<b>60110</b> - MP-MP	Male Pipe NPTF to Male Pipe NPTF
<b>60115</b> - MP-MP90	Male Pipe NPTF to Male Pipe NPTF - 90°
<b>60130</b> - MP-FPS	Male Pipe NPTF to Female Pipe NPTF Reducer Bushing - Short
<b>60132</b> - MP-FPL	Male Pipe NPTF to Female Pipe NPTF Increasing Bushing - Long
<b>60136</b> - MP-FP90	Male Pipe NPTF to Female Pipe NPTF - 90°
<b>60140</b> - MP-FPX	Male Pipe NPTF to Female Pipe Swivel NPSM
<b>60142</b> - MP-FPX45	Male Pipe NPTF to Female Pipe Swivel NPSM - 45°
<b>60144</b> - MP-FPX90	Male Pipe NPTF to Female Pipe Swivel NPSM - 90°
<b>60152</b> - FP-FP	Female Pipe NPTF to Female Pipe NPTF
<b>60156</b> - FP-FP90	Female Pipe NPTF to Female Pipe NPTF - 90°
<b>60160</b> - FP-FPX	Female Pipe NPTF to Female Pipe Swivel NPSM
<b>60162</b> - FP-FPX45	Female Pipe NPTF to Female Pipe Swivel NPSM - 45°
<b>60164</b> - FP-FPX90	Female Pipe NPTF to Female Pipe Swivel NPSM - 90°
<b>60181</b> - FP-FP-FP	Female Pipe NPTF - Tee
<b>60183</b> - FP-FP-MP	Female Pipe NPTF on Run to Male Pipe NPTF - Tee
<b>60184</b> - FPX-FPX-FPX	Female Pipe Swivel NPSM - Tee
<b>60186</b> - FPX-FPX-MP	Female Pipe Swivel NPSM on Run to Male Pipe NPTF - Tee
<b>60248</b> - O-RING	O-Rings for Straight Thread Boss Fittings
<b>60250</b> - MB-PLUG	Male O-Ring Boss Plug
<b>60275</b> - MB-FP	Male O-Ring Boss to Female Pipe NPTF
<b>60285</b> - MB-FPX	Male O-Ring Boss to Female Pipe Swivel NPSM
<b>60287</b> - MB-FPX45	Male O-Ring Boss to Female Pipe Swivel NPSM - 45°
<b>60289</b> - MB-FPX90	Male O-Ring Boss to Female Pipe Swivel NPSM - 90°
<b>60291</b> - FB-MP	Female O-Ring Boss to Male Pipe NPTF
<b>60301</b> - MB-MJ	Male O-Ring Boss to Male JIC 37° Flare
<b>60308</b> - MB-MJ45	Male O-Ring Boss to Male JIC 37° Flare - 45°
<b>60312</b> - MB-MJ90	Male O-Ring Boss to Male JIC 37° Flare - 90°
<b>60320</b> - MB-FJX	Male O-Ring Boss to Female JIC 37° Flare Swivel
<b>60350</b> - MJ-MJ-MB	Male JIC 37° Flare on Run to Male O-Ring Boss - Tee
<b>60352</b> - MB-MJ-MJ	Male O-Ring Boss to Male JIC 37° Flare to Male JIC 37° Flare - Tee

<b>60352</b> - 5MB-5MJ-5MJ	Male O-Ring Boss to Male JIC 37° Flare to Male JIC 37° Flare - Tee
<b>60352</b> - 6MB-6MJ-6MJ	Male O-Ring Boss to Male JIC 37° Flare to Male JIC 37° Flare - Tee
<b>60394</b> - TS	Tube Sleeve
<b>60395</b> - TSN	Tube Sleeve Nut
<b>60399</b> - LN	Locknuts for Bulkhead Fittings
<b>60401</b> - FJ-CAP	Female JIC 37° Flare Cap
<b>60402</b> - MJ-PLUG	Male JIC 37° Flare Plug
<b>60405</b> - MJ-FBO	Male JIC 37° Flare to Female Braze - On
<b>60410</b> - MJ-MJ	Male JIC 37° Flare to Male JIC 37° Flare
<b>60417</b> - MJ-MJ90	Male JIC 37° Flare to Male JIC 37° Flare - 90°
<b>60420</b> - MJ-FJ	Male JIC 37° Flare to Female JIC 37° Flare
<b>60422</b> - MJ-FJX90	Male JIC 37° Flare to Female JIC 37° Flare Swivel - 90°
<b>60424</b> - MJ-FJX45	Male JIC 37° Flare to Female JIC 37° Flare Swivel - 45°
<b>60445</b> - MJ-BKHD	Male JIC 37° Flare to Male JIC 37° Flare Bulkhead
<b>60446</b> - MJ-BKHD45	Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 45°
<b>60447</b> - MJ-BKHD90	Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 90°
<b>60469</b> - MJ-MJ-MJ	Male JIC 37° Flare Tee
<b>60470</b> - MJ-MJ-FJX	Male JIC 37° Flare on Run to Female JIC 37° Flare Swivel - Tee
<b>60471</b> - MJ-MJ-BKHD	Male JIC 37° Flare on Run to Male JIC 37° Flare Bulkhead - Tee
<b>60472</b> - MJ-BKHD-MJ	Male JIC 37° Flare to Male JIC 37° Flare Bulkhead to Male JIC 37° Flare - Tee
<b>60473</b> - MJ-FJX-MJ	Male JIC 37° Flare to Female JIC 37° Flare Swivel to Male JIC 37° Flare - Tee
<b>60490</b> - MJ-MP	Male JIC 37° Flare to Male Pipe NPTF
<b>60497</b> - MJ-MP45	Male JIC 37° Flare to Male Pipe NPTF - 45°
<b>60499</b> - MJ-MP90	Male JIC 37° Flare to Male Pipe NPTF - 90°
<b>60510</b> - MJ-FP	Male JIC 37° Flare to Female Pipe NPTF
<b>60514</b> - MJ-FP90	Male JIC 37° Flare to Female Pipe NPTF - 90°
<b>60520</b> - FJX-MP	Female JIC 37° Flare Swivel to Male Pipe NPTF
<b>60524</b> - FJX-MP90	Female JIC 37° Flare Swivel to Male Pipe NPTF - 90°
<b>60530</b> - FJX-FP	Female JIC 37° Flare Swivel to Female Pipe NPTF
<b>60541</b> - MJBKHD-MP	Male JIC 37° Flare Bulkhead to Male Pipe NPTF
<b>60551</b> - MJ-MJ-MP	Male JIC 37° Flare on Run to Male Pipe NPTF - Tee



# Gates Global Part Numbering System – Continued

## Adapters – Continued

<b>60593</b> - DCN	Brass Adapters-Double Compression	<b>60920</b> - FL4K-MFFOR45/ FL5K-MFFOR45	Code 61 O-Ring Flange to Male Flat-Face O-Ring 45° - High Pressure
<b>60594</b> - DCN-MP	Brass Adapters-Double Compression to Male Pipe	<b>60925</b> - FL4K-MFFOR90/ FL5K-MFFOR90	Code 61 O-Ring Flange to Male Flat-Face O-Ring 90° - High Pressure
<b>60595</b> - DCN-MP90	Brass Adapters-Double Compression to Male Pipe - 90°	<b>60927</b> - FLH-CAP	Code 62 O-Ring Flange Cap
<b>60596</b> - T-MIXN-S	Brass Adapters-Steel Tubing Male Inverted Swivel Nut - Steel	<b>60929</b> - FHHS	Flange Half Sets [Code 62 - SAE J518]
<b>60597</b> - T-MIXN-SL	Brass Adapters-Steel Tubing Male Inverted Swivel Nut - Steel - Long	<b>60930</b> - FLH6K-MJ	Code 62 O-Ring Flange Heavy to Male JIC 37° Flare - [6,000 psi]
<b>60599</b> - T-MIXN-B	Brass Adapters-Brass Tubing Male Inverted Swivel Nut	<b>60935</b> - FLH6K-MJ45	Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 45° - [6,000 psi]
<b>60600</b> - MS-MP	Brass Adapters-Male SAE 45° Flare to Male Pipe - Brass	<b>60940</b> - FLH6K-MJ90	Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 90° - [6,000 psi]
<b>60654</b> - MS-MP90	Brass Adapters-Male SAE 45° Flare to Male Pipe - 90° - Brass	<b>60945</b> - FLH6K-MFFOR	Code 62 O-Ring Flange Heavy to Male Flat-Face O Ring - [6,000 psi]
<b>60660</b> - MS-FP	Brass Adapters-Male SAE 45° Flare to Female Pipe - Brass	<b>60950</b> - FLH6K-MFFOR45	Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 45° - [6,000 psi]
<b>60664</b> - MS-FP90	Brass Adapters-Male SAE 45° Flare to Female Pipe - 90° Brass	<b>60955</b> - FLH6K-MFFOR90	Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 90° - [6,000 psi]
<b>60698</b> - O-RING FF	O-Rings for Flat-Face Fittings	<b>60959</b> - CATFHS	Caterpillar-Style Flange Half Sets
<b>60701</b> - FFOR-CAP	Female Flat-Face O-Ring Cap	<b>62150</b> - MBSPT-MJ	British Male Standard Pipe Tapered Thread to Male JIC 37° Flare
<b>60702</b> - MFFOR-PLUG	Male Flat-Face O-Ring Plug	<b>62153</b> - MBSPT-MJ45	British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 45°
<b>60705</b> - MFFOR-MFFOR	Male Flat-Face O-Ring to Male Flat-Face O-Ring	<b>62155</b> - MBSPT-MJ90	British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 90°
<b>60712</b> - MFFOR-MFFOR90	Male Flat-Face O-Ring to Male Flat-Face O-Ring - 90°	<b>62200</b> - MBSP-PP-MP	British Male Standard Pipe Parallel to Male Pipe NPTF
<b>60724</b> - MFFOR-MFFORX90	Male Flat-Face O-Ring to Female Flat-Face Swivel - 90°	<b>62220</b> - MBSP-PP-FP	British Male Standard Pipe Parallel to Female Pipe NPTF
<b>60740</b> - MFFOR-MFFOR-MFFOR	Male Flat-Face O-Ring Tee	<b>62300</b> - MBSP-PP-MJ	British Male Standard Pipe Parallel to Male JIC 37° Flare
<b>60742</b> - MFFOR-MFFOR-MFFORX	Male Flat-Face O-Ring on Run to Female Flat-Face Swivel- Tee	<b>62305</b> - MBSP-PP-MJ45	British Male Standard Pipe Parallel to Male JIC 37° Flare - 45°
<b>60744</b> - MFFOR-MFFOR-MFFOR	Male Flat-Face O-Ring to Female Flat-Face O-Ring to Male Flat-Face O-Ring - Tee	<b>62310</b> - MBSP-PP-MJ90	British Male Standard Pipe Parallel to Male JIC 37° Flare - 90°
<b>60748</b> - MFFOR-BKHDT	Male Flat-Face O-Ring to Male Flat-Face "O" Bulkhead - Tee	<b>62320</b> - MBSP-PP-FJX	British Male Standard Pipe Parallel to Female JIC 37° Flare Swivel
<b>60770</b> - MFFOR-MP	Male Flat-Face O-Ring to Male Pipe NPTF	<b>62450</b> - MBSP-PP-MJ	British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare
<b>60785</b> - MFFOR-FJX	Male Flat-Face O-Ring to Female JIC 37° Flare Swivel	<b>62460</b> - MBSP-PP-MJ90	British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare - 90°
<b>60800</b> - MFFOR-MB	Male Flat-Face O-Ring to Male O-Ring Boss	<b>62470</b> - MBSP-PP-MFFOR	British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring
<b>60801</b> - MFFOR-MBL	Male Flat-Face O-Ring to Male O-Ring Boss	<b>62471</b> - MBSP-PP-MFFORL	British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - Long
<b>60805</b> - MFFOR-MB45	Male Flat-Face O-Ring to Male O-Ring Boss - 45°	<b>62473</b> - MBSP-PP-MFFOR45	British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 45°
<b>60810</b> - MFFOR-MB90	Male Flat-Face O-Ring to Male O-Ring Boss - 90°	<b>62475</b> - MBSP-PP-MFFOR90	British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 90°
<b>60811</b> - MFFOR-MB90L	Male Flat-Face O-Ring to Male O-Ring Boss - 90° Long Drop	<b>62500</b> - FBSP-PP-MP	Female British Standard Pipe Parallel to Male Pipe NPTF
<b>60820</b> - MFFOR-MFFOR-MB	Male Flat-Face O-Ring on Run to Male O-Ring Boss - Tee	<b>62520</b> - FBSP-PP-FP	Female British Standard Pipe Parallel to Female Pipe NPTF
<b>60821</b> - MFFOR-MB-MFFOR	Male Flat-Face O-Ring to Male O-Ring Boss to Male Flat-Face O-Ring - Tee	<b>62550</b> - FBSP-PP-MJ	Female British Standard Pipe Parallel to Male JIC 37° Flare
<b>60880</b> - FFORX-MJ	Female Flat-Face Swivel to Male JIC 37° Flare	<b>62605</b> - FBSP-PP-MP90	Female British Standard Pipe Parallel Swivel to Male Pipe NPTF - 90°
<b>60897</b> - FL-CAP	Code 61 O-Ring Flange Cap	<b>62650</b> - FBSP-PP-MJ	Female British Standard Pipe Parallel Swivel to Male JIC 37° Flare
<b>60898</b> - FLANGE O-RING	O-Rings for Code 61, Code 62, and Caterpillar-Style Flange Fittings	<b>62660</b> - FBSP-PP-FJX	Female British Standard Pipe Parallel Swivel to Female JIC 37° Flare Swivel
<b>60899</b> - CFHS	Flange Half Sets [Code 61 - SAE J518]	<b>62801</b> - FBFFOR-MJ	Female British Flat-Face O-Ring to Male JIC 37° Flare
<b>60900</b> - FL-MJ	Code 61 O-Ring Flange to Male JIC 37° Flare		
<b>60901</b> - FL4K-MJ / FL5K-MJ	Code 61 O-Ring Flange to Male JIC 37° Flare - High Pressure		
<b>60905</b> - FL-MJ45	Code 61 O-Ring Flange to Male JIC 37° Flare - 45°		
<b>60906</b> - FL4K-MJ45 / FL5K-MJ45	Code 61 O-Ring Flange to Male JIC 37° Flare - 45° - High Pressure		
<b>60910</b> - FL-MJ90	Code 61 O-Ring Flange to Male JIC 37° Flare - 90°		
<b>60911</b> - FL4K-MJ90 / FL5K-MJ90	Code 61 O-Ring Flange to Male JIC 37° Flare - 90° - High Pressure		
<b>60915</b> - FL4K-MFFOR / FL5K-MFFOR	Code 61 O-Ring Flange to Male Flat-Face O-Ring - High Pressure		

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# Gates Global Part Numbering System – Continued

## Adapters – Continued

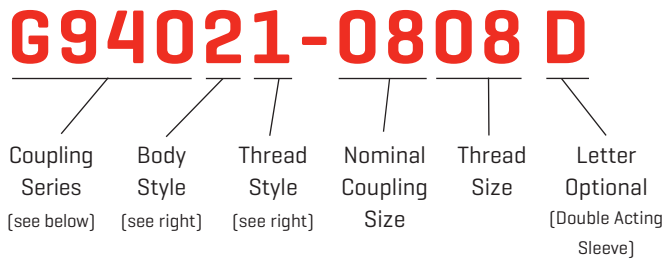
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ADAPTERS
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<b>63099</b> – MMQR-PLUG	Male Metric O-Ring Plug
<b>63120</b> – MM-FP	Male Metric with O-Ring to Female Pipe NPTF
<b>63150</b> – MM-MJ	Male Metric with O-Ring to Male JIC 37° Flare
<b>63160</b> – MM-MJ90	Male Metric with O-Ring to Male JIC 37° Flare – 90°
<b>63350</b> – MDL-MJ	Male DIN 24 Cone – Light Series to Male JIC 37° Flare
<b>63450</b> – FDLX-MJ	Female DIN 24 Cone Swivel – Light Series to Male JIC 37° Flare
<b>63650</b> – MDH-MJ	Male DIN 24 Cone – Heavy Series to Male JIC 37° Flare
<b>63750</b> – FDHX-MJ	Female DIN 24 Cone Swivel – Heavy Series to Male JIC 37° Flare
<b>63980</b> – MKB-PLUG	Male Kobelco Plug
<b>63990</b> – MKB-MJ	Male Kobelco to Male JIC 37° Flare
<b>64075</b> – BBDS	British Bonded Seal
<b>64094</b> – MBSPOR-PLUG	Male British Standard Pipe Parallel with O-Ring Plug
<b>64095</b> – O-RING FBSPP	O-Rings for British Standard Parallel Pipe [BSPP Couplings]
<b>64097</b> – FBSP-PLUG	Female British Standard Pipe Parallel Plug
<b>64098</b> – MBSPT-PLUG	Male British Standard Pipe Tapered Thread Plug
<b>64099</b> – MBSPP-PLUG	Male British Standard Pipe Parallel Plug
<b>64350</b> – MBSPP-FBSPPX	Male British Standard Pipe Parallel to Female British Standard Pipe Parallel Swivel
<b>64775</b> – MBDS	Metric Bonded Seal
<b>64780</b> – O-RING DIN L	O-Rings for DIN Light Series [MegaCrimp and GlobalSpiral Couplings]
<b>64781</b> – O-RING DIN H	O-Rings for DIN Heavy Series [MegaCrimp and GlobalSpiral Couplings]
<b>64790</b> – MM-PLUG	Male Metric Plug
<b>64792</b> – MDL-PLUG	Male DIN 24 Cone – Light Series Plug
<b>64793</b> – FDL-CAP	Female DIN 24 Cone – Light Series Cap
<b>64794</b> – MDH-PLUG	Male DIN 24 Cone – Heavy Series Plug
<b>64795</b> – FDH-CAP	Female DIN 24 Cone – Heavy Series Cap
<b>65097</b> – FJIS-CAP	Female Japanese Industrial Standard Cap
<b>65099</b> – MJIS-PLUG	Male Japanese Industrial Standard Plug
<b>65100</b> – FJIS-MJ	Female Japanese Industrial Standard to Male JIC 37° Flare
<b>65597</b> – FK-CAP	Female Komatsu Cap
<b>65599</b> – MK-PLUG	Male Komatsu Plug
<b>65600</b> – FK-MJ	Female Komatsu to Male JIC 37° Flare
<b>65700</b> – MK-MK	Male Komatsu to Male Komatsu
<b>65750</b> – MK-MJ	Male Komatsu to Male JIC 37° Flare
<b>65800</b> – MK-FK90	Male Komatsu to Female Komatsu – 90°
<b>65950</b> – MK-FK-MK	Male Komatsu to Female Komatsu to Male Komatsu – Tee

# Gates Global Part Numbering System – Continued

## Quick Disconnect Couplers

Gates Quick Disconnect couplers feature a meaningful part number that makes coupling identification fast and easy. Always refer to Gates Cross Reference Charts when selecting a quick disconnect coupler for a competitive interchange.



### BODY STYLE IDENTIFICATION

0	Assembly
1	Male Tip (Nipple)
2	Female Coupler
3	Repair Kit
5	O-Ring
6	Backup Ring
8	Dust Plug
9	Dust Cap

### THREAD STYLE

0	Not Applicable
1	Female Pipe
2	Female O-Ring Boss
3	Bulkhead Mounts
4	Female British Parallel Pipe

### MISCELLANEOUS

D	Double-Acting Sleeve
P	Connect-Under-Pressure Option

## COUPLING SERIES IDENTIFICATION

### G940 Series (Agriculture Standard-Ball Valve)

G94 - 011	MQBA-FP	Male Ball Valve to Female Pipe
G94 - 012	MQBA-FB	Male Ball Valve to Female O-Ring Boss
G94 - 021	FQBA-FP	Female Ball Valve To Female Pipe
G94 - 021	FQBADA-FP	Female Ball Valve To Female Pipe
G94 - 022	FQBA-FB	Female Ball Valve To Female O-Ring Boss
G94 - 025	QDAOR	O-Ring

### G940 and G941 Series (Agricultural)

G94 - 081	QDADP/C	QD Plug - Cap Combination
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### G941 Series (Agriculture Standard-Poppet Valve)

G94 - 111	MQPA-FP	Male Poppet Valve to Female Pipe
G94 - 121	FQPA-FP	Female Poppet Valve to Female Pipe

### G942 Series (John Deere Old Style)

G94 - 211	MQBAJD-FP	Male Ball Valve to Female Pipe
G94 - 212	MQBAJD-FB	Male Ball Valve to Female O-Ring Boss
G94 - 221	FQBAJD-FP	Female Ball Valve to Female Pipe

### G943 Series (International Harvester Old Style)

G94 - 311	MQBAIHC-FP	Male Tip - Ball Valve to Female Pipe
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### G944 Series (J.I. Case Old Style)

G94 - 411	MQBAJIC-FP	Male Tip - Ball Valve to Female Pipe
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### G945 Series (Industrial ISO 7241-1 - Series B)

G94 - 511	MQPI-FP	Male Poppet Valve to Female Pipe
G94 - 521	FQPI-FP	Female Poppet Valve to Female Pipe
G94 - 525	QDIOR	O-Ring
G94 - 526	QDIBR	Backup Ring
G94 - 581	QDIDP/C	QD Plug - Cap Combination

### G949 Series (Flush Face - HTMA)

G94 - 911	MQFF-FP	Male Flush Face Valve to Female Pipe
G94 - 912	MQFF-FB	Male Flush Face Valve to Female O-Ring Boss
G94 - 913	MQFF-BKHD	Male Flush Face Valve to JIC 37 Flare Bulkhead
G94 - 915	MQFF-FBPP	Male Flush Face Valve to Female British Pipe Parallel
G94 - 921	FQFF-FP	Female Flush Face Valve to Female Pipe
G94 - 922	FQFF-FB	Female Flush Face Valve to Female O-Ring Boss

G94 - 923	FQFF-BKHD	Female Flush Face to JIC 37 Flare Bulkhead
G94 - 925	FQFF-FBPP	Female Flush Face Valve to Female British Pipe Parallel
G94 - 981	QDFFDP/C	Dust Plug/Cap Combination

### G950 Series (Flush Face - High Pressure)

G95 - 021	FQFFH-FP	Female Flush Face Valve
G95 - 011	MQFFH-FP	Male Flush Face Valve
G95 - 081	QDFFHDP/C	QD Plug - Cap Combination

### G951 Series (Wing Nut)

G95 - 111	MQW-FP	Male [Brass] - Less Flange
G95 - 121	FQW-FP	Female [Brass] - Wing Nut [Cast Iron]
G95 - 180	QWDP	Dust Plug
G95 - 190	QWDC	Dust Cap

### G952 Series (High Pressure Wing Nut)

G95 - 211	MQWH-FP	Male Acme Flat Threads to Female Pipe
G95 - 221	FQWH-FP	Female Wing Nut to Female Pipe
G95 - 280	QWHDP	Dust Plug
G95 - 290	QWHDC	Dust Cap

### G953 Series (Very High Pressure)

G95 - 311	MQFFVH-FP	Male Poppet Valve to Female Pipe
G95 - 321	FQFFVH-FP	Female Screw to Connect to Female Pipe

### G956 Series (Industrial ISO 7241 - Series A)

G95 - 611	MQP-FP	Male Poppet Valve to Female Pipe
G95 - 621	FQP-FP	Female Poppet Valve to Female Pipe
G95 - 625	QDOR	O-Ring
G95 - 626	QDBR	Backup Ring
G95 - 681	QDDP/C	QD Plug - Cap Combination

### G959 Series (Agriculture QD Adapters)

G95 - 961	MJD-FISO	John Deere Old Style to ISO Style
G95 - 962	MISO-FJD	ISO Style to John Deere Old Style
G95 - 963	MIHC-FJD	Int'l Harvester to John Deere Old Style
G95 - 964	MIHC-FISO	Int'l Harvester Old Style to ISO Style
G95 - 965	MISO-FIHC	ISO Style to Int'l Harvester Old Style
G95 - 966	MISO-FJDDSO	ISO Style to John Deere Old Style - [Double Shutoff]
G95 - 967	MISO-FIHCDSDO	ISO Style to Int'l Harvester Old Style - [Double Shutoff]

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

# Gates Global Part Numbering System - Continued

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## High Pressure Ball Valves

Gates Ball Valves feature a meaningful part number that makes coupling identification fast and easy.

**G96210-0808**

Coupling  
Series  
[Ball Valve,  
see below]

Body  
Style

Thread  
Style

Thread  
Size

Thread  
Size

### BODY AND THREAD IDENTIFICATION

<b>110</b>	FP-FPBV	Female Pipe NPTF
<b>115</b>	FB-FBBV	Female O-Ring Boss
<b>120</b>	FP-FPBV	Female Pipe NPTF
<b>210</b>	FP-FP-FPBV	Female Pipe NPTF
<b>211</b>	FP-FP-FPBV	Female Pipe NPTF
<b>300</b>	FL-FLBV	Code 61 O-Ring Flange
<b>310</b>	FL-FLBV	Code 61 O-Ring Flange
<b>350</b>	FLH-FLHBV	Code 62 O-Ring Flange
<b>355</b>	FLH-FLHBV	Code 62 O-Ring Flange

## High Pressure Live Swivels

Gates Live Swivels feature a meaningful part number that makes coupling identification fast and easy.

**G93510-0808**

Live  
Swivel

Body  
Style

Thread  
Style

Thread  
Size

Thread  
Size

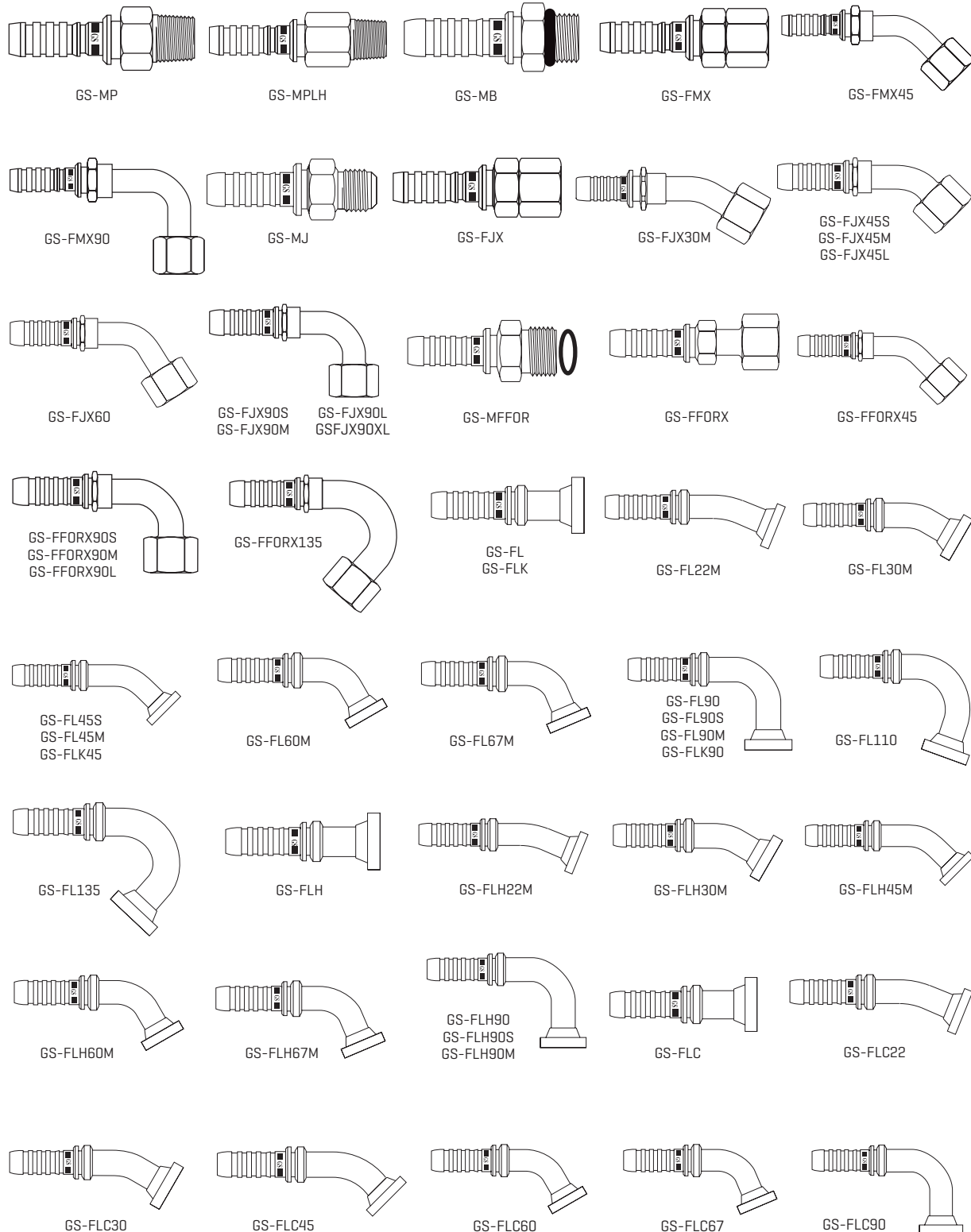
### BODY AND THREAD IDENTIFICATION

<b>345</b>	BSPP-BSPP-LX	Male BSPP to Male BSPP
<b>410</b>	MJ-MJ-LX	Male JIC to Male JIC
<b>450</b>	MJ-FJ/FB-LX	Male JIC to Female Boss
<b>500</b>	JIC SWIVEL SEAL KIT	JIC Seal Kit
<b>510</b>	MJ-FP-LX	Male JIC to Female Pipe
<b>600</b>	ORS LIVE SWIVEL SEAL KIT	ORS Seal Kit
<b>700</b>	ORS/BSPP LIVE SWVL SEAL KIT	ORS/BSPP Seal Kit
<b>724</b>	MFFOR-FFORX-LX	Male ORFS to Female ORFS
<b>742</b>	MFFOR-MFFOR-LX	Male ORFS to Male ORFS

# Coupling/Thread Configurations

## GlobalSpiral™ (GS) Couplings

For EFG6K, EFG5K, EFG4K, EFG3K, and more Hose



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

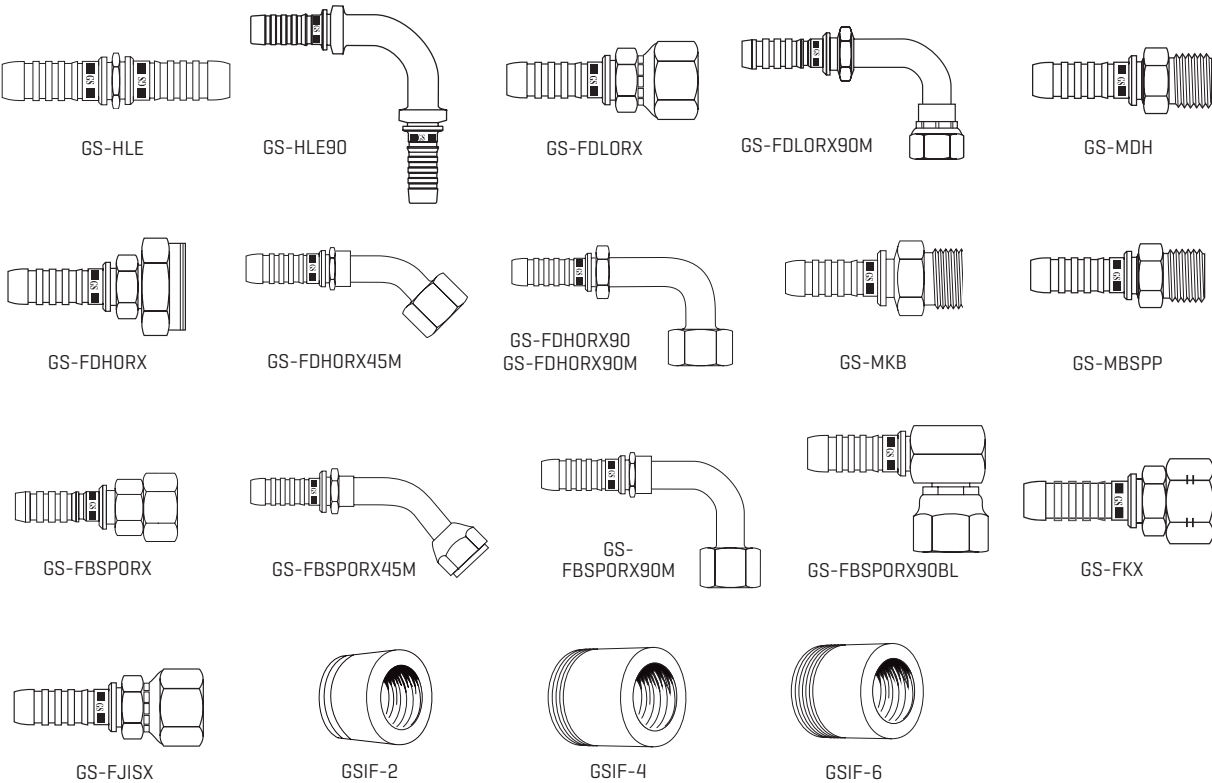
EQUIPMENT AND  
PARTS

# Coupling/Thread Configurations – Continued

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

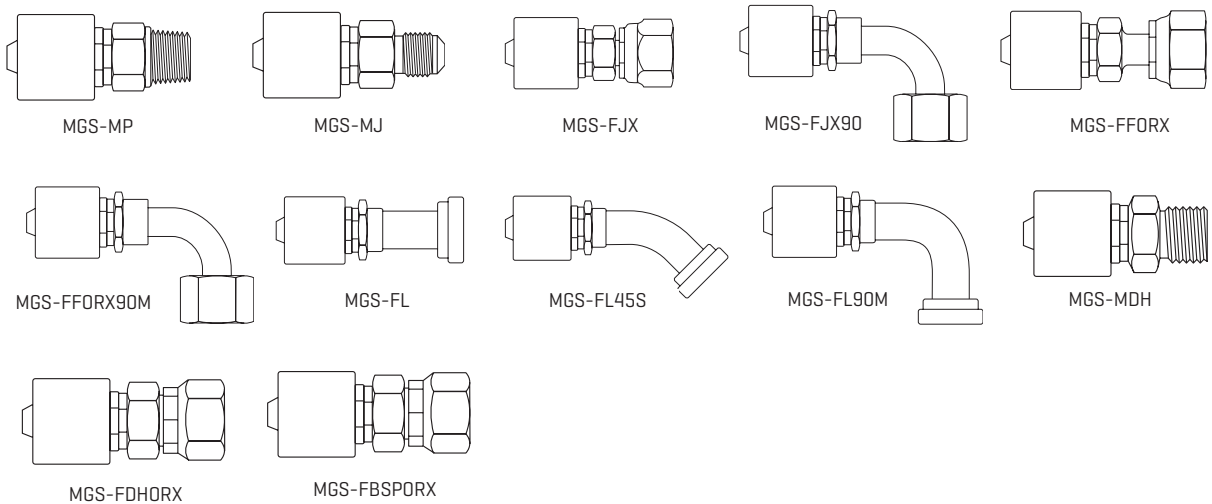
## GlobalSpiral™ (GS) Couplings

For EFG6K, EFG5K, EFG4K, EFG3K and more Hose-Continued



## GlobalSpiral™ (GS) Couplings

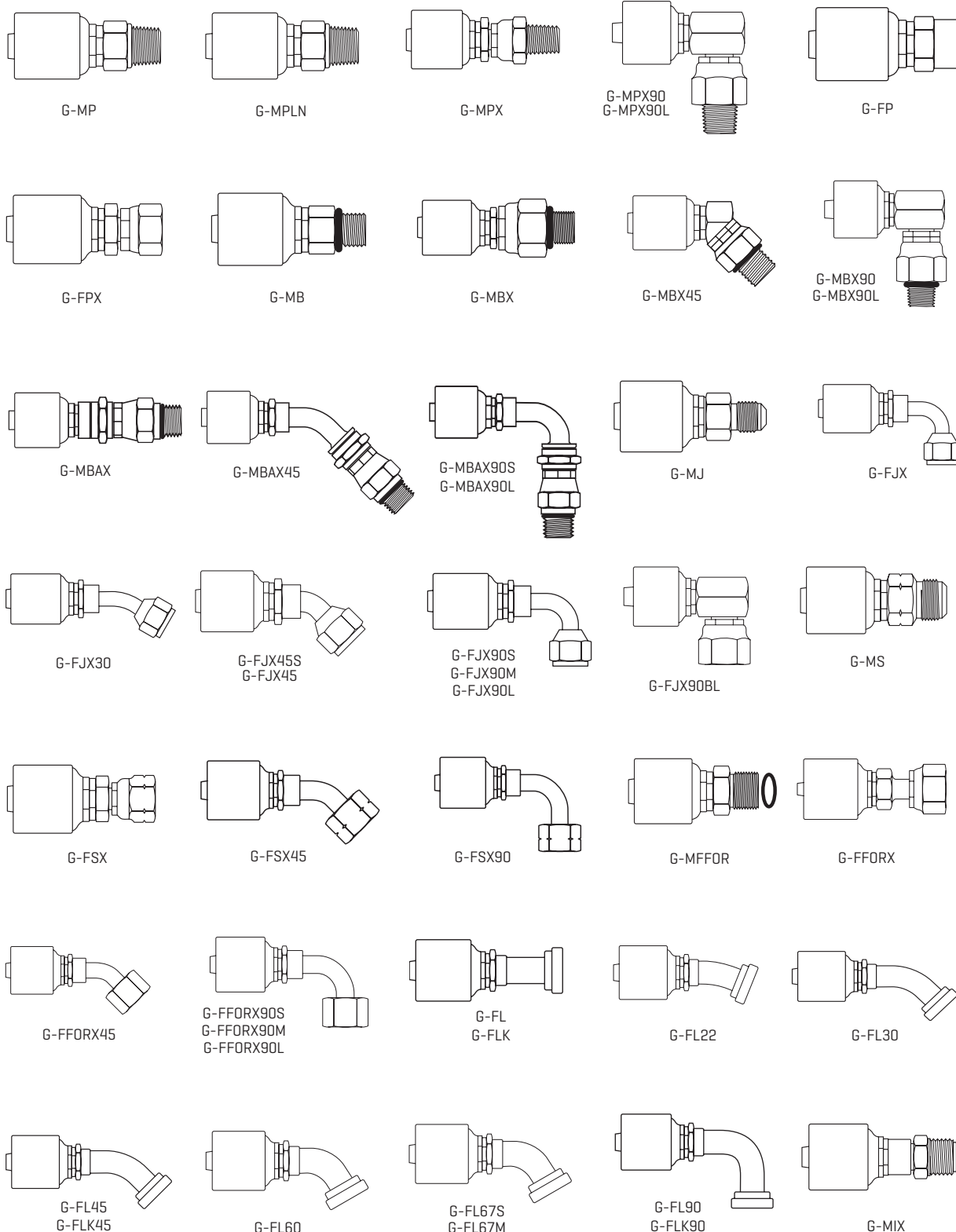
One-Piece Couplings for Use with MobileCrimp® Crimpers for EFG6K, EFG5K, EFG4K, EFG3K and more Hose



## Coupling/Thread Configurations – Continued

### MegaCrimp® Couplings

For High and Medium Pressure Hose



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

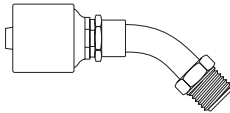


# Coupling/Thread Configurations – Continued

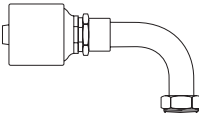
## MegaCrimp® Couplings – Continued

For High And Medium Pressure Hose-Continued

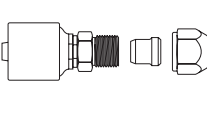
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
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FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



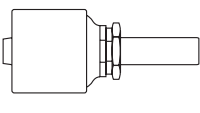
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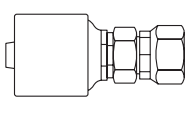
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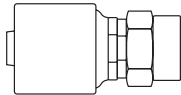
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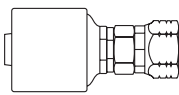
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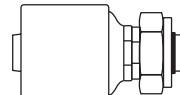
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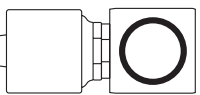
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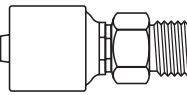
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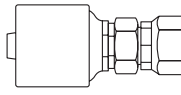
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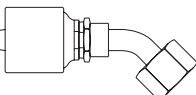
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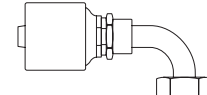
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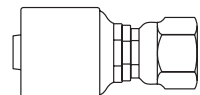
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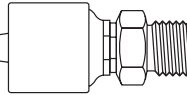
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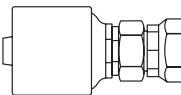
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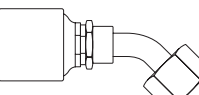
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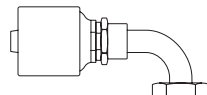
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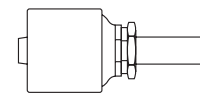
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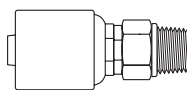
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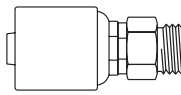
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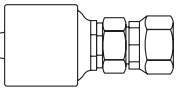
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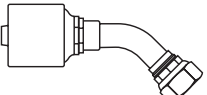
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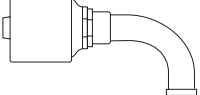
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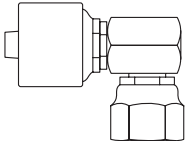
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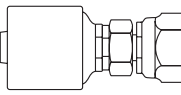
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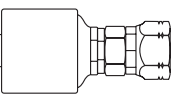
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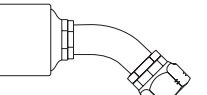
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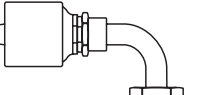
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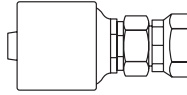
G-FKX



G-FKX45  
G-FKX45M



G-FKX90  
G-FKX90M



G-FJISX

## CHEMICAL RESISTANCE RATINGS FOR GATES HOSE POLYMERS, COUPLINGS AND ADAPTER MATERIALS

The Chemical Resistance Table lists the relative resistance of hose and coupling materials to more common chemicals. These ratings do not cover all possible variations of all factors, such as temperature, concentration, degradation or fluid contamination, etc. Testing under actual conditions is the best way to ensure chemical compatibility for critical applications.

**For specific information, contact Gates Hose/Connector Product Application, Denver, Colorado 303-744-5070.**

### Rating Scale

"1"	Excellent resistance
"2"	Good resistance
"X"	Not recommended
"—"	Testing recommended

### HOW TO USE THE CHEMICAL RESISTANCE TABLE

1. Chemicals are listed alphabetically.
2. Find the hose, coupling and adapter material type that has a resistance rating of "1" or "2" [See Rating Scale].
3. Find hose with compatible polymer[s] in the Gates Hydraulic Hose Selection Guide.
4. Look for compatible couplings for the selected hose by following the hose page references in the Selection Guide.

**NOTE:** O-rings used with couplings also must be considered for chemical compatibility with the fluid to be conveyed. This includes couplings containing internal O-rings; for example, MPX [Male Pipe Swivel]. Gates standard O-ring is made of Nitrile. If O-rings other than Nitrile are required, contact Gates Hose/Connector Product Application.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
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LOC. GL AND GLP  
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POLARSEAL  
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POLARSEAL II  
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C14 COUPLINGS

PCTS  
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FIELD  
ATTACHABLE G1  
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ATTACHABLE C5  
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COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Chemical Resistance Table

HOSE																																
HOSE/CPLG. SELECTION		Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Ratng for tube stock "X"  * Use Gates hose fuel hose or contact Denver Product Application Department		Gates Hose Polymers								Couplings & Adapters				Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Ratng for tube stock "X"  * Use Gates fuel hose or contact Denver Product Application Department		Gates Hose Polymers								Couplings & Adapters						
G8K COUPLINGS				Trade Names														GLOBALSPIRAL COUPLINGS		Trade Names												
				A	C	C <sub>2</sub>	J	M	U	T	Z									A	C	C <sub>2</sub>	J	M	U	T	Z					
		Chemical Name	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass	Chemical Name	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass	
PCM / PCS FERRULES		A															Ammonium Chloride, 1%	X	2	1	1	1	1	1	1	-	X	2	2	X	X	
MEGACRIMP COUPLINGS		Absorption Oil	2	1	2	1	2	-	1	1	2	-	-	-	-	1	Ammonium Chloride, 10% Boiling	X	X	-	-	-	1	X	-	X	2	2	X	X		
		Acetaldehyde	X	X	X	-	X	1	1	2	1	1	1	1	1	1	1	Ammonium Chloride, 28% Boiling	X	X	-	-	-	1	X	-	X	2	2	X	X	
		Acetamide	1	2	-	-	-	X	1	-	1	-	-	-	-	-	-	Ammonium Chloride, 50% Boiling	X	X	-	-	-	1	X	-	X	2	2	X	X	
		Acetic Acid, 5-20%	2	X	2	1	2	X	1	1	1	1	X	2	2	2	X	Ammonium Hydroxide	2	2	2	1	1	X	1	1	1	2	1	1	-	X
STAINLESS STEEL		Acetic Acid, 25%	2	X	2	1	2	-	1	X	1	X	2	2	2	X	Ammonium Hydroxide, 3 Molar	1	X	-	-	-	2	1	-	1	X	2	2	X	X	
		Acetic Acid, 30%	2	X	-	1	-	-	1	2	1	2	X	2	2	2	X	Ammonium Hydroxide, Concentrated	1	X	-	1	-	X	1	1	1	X	2	2	X	X
		Acetic Acid, 50%	2	X	2	1	-	-	1	2	1	2	1	X	2	2	2	Ammonium Metaphosphate	2	2	2	-	2	-	1	-	-	1	1	1	X	-
		Acetic Acid, 50% Boiling	X	X	-	-	-	-	1	X	-	X	X	2	-	-	-	Ammonium Nitrate, Fertilizer	1	2	1	1	1	1	1	X	-	1	1	1	2	X
POWER CRIMP COUPLINGS		Acetic Acid, 80%	X	X	-	-	-	-	1	X	1	X	2	2	2	X	Ammonium Nitrate	1	1	-	-	-	-	1	-	-	2	1	1	X	-	
		Acetic Acid, 80% Boiling	X	X	-	-	-	-	1	X	-	X	X	2	X	X	Ammonium Persulfate	X	X	X	1	-	X	-	X	-	X	2	2	X	X	
		Acetic Acid, 100%	X	X	-	-	-	-	1	X	x	X	X	2	2	X	Ammonium Persulfate, 5%	1	X	-	-	-	-	X	-	X	2	2	X	X		
		Acetic Acid, 100% Boiling	X	X	-	-	-	X	1	X	x	X	X	2	-	X	Ammonium Persulfate, 10%	1	X	-	-	-	X	-	X	-	X	2	2	X	X	
LOC, GL AND GLP COUPLINGS		Acetic Acid, 100% [Hot] Vapors	2	2	-	-	-	-	-	X	x	X	X	2	2	X	Ammonium Phosphate [Mono, Di, Tri, Basic]	1	1	1	1	1	1	1	2	-	X	2	2	X	-	
		Acetic Acid, Air Free	-	-	-	-	-	-	1	-	-	-	X	X	X	-	X	Ammonium Sulfate	1	2	1	1	1	1	1	X	-	X	X	2	X	X
		Acetic Acid, Anhydride	X	X	X	1	2	-	1	X	x	X	X	2	2	X	Ammonium Thiocyanate	1	1	-	1	1	-	1	-	-	1	1	1	-	-	
		Acetic Acid, Areated	-	-	-	-	-	-	1	-	-	-	X	X	X	-	X	Amyl Acetate	X	X	X	2	X	2	1	1	1	X	1	1	X	2
POLARSEAL COUPLINGS		Acetic Acid, Crude	X	X	-	-	-	-	1	1	-	X	2	1	2	X	Amyl Alcohol	2	2	2	1	-	-	1	1	1	1	1	1	1	1	1
		Acetic Acid, Glacial	X	X	X	1	X	X	1	X	x	X	2	2	2	-	Ammonium Borate	2	2	2	1	-	-	1	1	1	1	1	1	1	1	1
		Acetone [Dimethylketone]	X	X	X	1	X	X	1	1	1	1	1	1	1	1	Ammonium Chloride	X	-	X	2	X	-	1	2	-	-	1	1	-	-	
		Acetonitrile [Methyl Cyanide]	2	X	2	1	2	-	-	-	2	-	-	-	-	-	Ammonium Chloride, 10% Boiling	X	X	X	1	X	-	X	-	X	-	X	2	2	X	X
POLARSEAL II COUPLINGS		Acetylene	2	2	1	1	-	-	1	1	x	1	1	1	1	2	Amyl Chloride	2	2	2	1	-	-	1	1	1	1	1	1	1	1	1
		Acrylonitrile [Vinyl Cyanide]	X	X	X	1	X	-	-	-	2	-	1	1	1	2	1	Amyl Chloronaphthalene	X	X	X	-	X	-	1	-	2	-	1	1	-	-
		Aero Lubriplate	1	1	-	-	-	-	-	-	-	-	1	1	1	1	-	Amyl Naphthalene	X	X	X	-	X	-	1	-	2	-	1	1	-	-
		Aero-Safe 2300	X	X	-	-	-	X	-	-	-	-	1	1	1	1	1	Amyl Phenol	X	X	X	-	X	-	1	-	2	-	1	1	-	-
C14 COUPLINGS		Aeroshell Type 1A, 1AC, 4	2	1	-	-	-	1	-	-	-	-	-	-	-	-	AN-O-3 Grade M	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
		Aeroshell 7AGrease	2	1	-	-	-	X	-	-	-	-	1	1	1	1	-	AN-O-6	1	1	-	-	-	-	-	-	-	-	-	-	-	
		Aeroshell 17 Grease	2	1	-	-	-	X	-	-	-	-	1	1	1	1	-	AN-O-366	1	1	-	-	-	-	-	-	-	-	-	-	-	-
		Aeroshell 750	X	2	-	-	-	X	-	-	-	-	1	1	1	1	-	Anderol, L-774 [Diester]	X	2	-	-	-	1	X	-	-	-	-	-	-	-
PCTS THERMOPLASTIC COUPLINGS		Air, Ambient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Anderol, L-826 [Diester]	X	2	-	-	-	1	X	-	-	-	-	-	-	-	
		Air, 150°F	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Anderol, L-829 [Diester]	X	2	-	-	-	1	X	-	-	-	-	-	-	-	
		Air, 180°F	2	2	2	1	2	1	1	1	1	1	1	1	1	1	ANG-25 [Glycerol Ester]	2	2	-	-	-	1	X	2	-	-	-	-	-	-	-
		Air, 200°F	X	X	X	1	X	2	1	2	1	2	1	1	1	1	1	ANG-25 [Diester Base, TG749]	X	2	-	-	-	1	X	-	1	1	1	1	1	-
FIELD ATTACHABLE G1 & G2 COUPLINGS		Aircraft Hyd. Oil AA	-	1	-	-	-	-	-	-	-	1	1	1	1	1	Aniline	X	X	X	2	X	X	1	2	-	2	1	1	X	X	
		Alcohol	1	1	1	-	-	-	1	-	1	-	1	1	1	1	1	Aniline Dyes	X	X	-	2	-	-	1	X	x	2	1	1	2	X
		Alcohol, Amyl	2	2	-	-	-	-	1	1	2	-	1	1	1	2	-	Aniline Hydrochloride	X	X	-	2	-	-	1	-	-	X	1	1	-	-
		Alcohol, Benzyl	X	X	-	1	2	2	1	-	1	-	1	1	1	-	-	Animal Gelatin	1	1	-	1	-	1	-	-	-	-	1	1	-	-
FIELD ATTACHABLE C5 & C5E COUPLINGS		Alcohol, Butyl	2	X	2	-	2	1	1	1	1	1	1	1	1	1	Animal Fats	2	1	-	1	-	1	1	1	1	1	1	1	1	X	
		Alcohol, Denatured	1	1	-	-	1	-	1	1	1	1	1	1	1	1	1	Animal Oil [Lard Oil]	2	1	-	1	-	1	-	1	1	1	1	1	-	-
		Alcohol, Diacetone	-	X	-	2	-	1	-	-	-	-	1	1	1	1	1	Antifreeze, Alcohol Base	2	2	2	2	2	-	1	-	1	1	1	1	-	-
		Alcohol, Ethyl [Ethanol]	1	1	1	1	1	2	1	1	1	1	1	1	1	2	-	Antifreeze, Glycol Base	2	1	1	1	1	-	1	1	2	1	1	1	1	1
SURELOK AIR BRAKE COUPLINGS		Alcohol, Furfural	2	X	X	1	2	-	1	-	2	2	1	1	1	1	Antimony Chloride, 50%	-	1	-	-	-	1	X	2	X	X	X	-	-	-	
		Alcohol, Hexyl [Hexanol]	2	1	-	-	X	-	1	-	-	-	1	1	1	1	2	AN-VV-O-366B Hydraulic Fluid	1	-	-	-	-	-	2	1	-	-	-	-	-	-
		Alcohol, Isobutyl	2	2	-	-	1	-	1	1	1	1	1	1	1	2	-	Aqua Regia [Concentrated]	X	X	X	2	X	X	1	X	-	X	X	X	X	-
		Alcohol, Isopropyl [Isopropanol]	2	2	2	-	2	2	1	1	1	1	1	1	1	2	-	Arco A.T.F. Dexron	-	1	-	-	-	-	-	-	x	-	-	-	-	-
ADAPTERS		Alcohol, Methyl [100%] [Methanol]	1	1	1	1	1	-	1	1	1	1	1	1	1	2	Arco C2, 100	-	1	-	-	-	-	-	-	-	-	-	-	-	-	
		Alcohol, Methyl [6%]	1	1	1	-	1	-	1	1	1	1	1	1	1	2	-	Aromatic Fuel 30%, Mil.	-	-	-	-	-	1	-	-	-	-	-	-	-	-
		Alcohol, Octyl	2	2	-	-	-	-	1	1	-	-	1	1	1	1	-	Aromatic Fuel 50%	X	2	-	-	-	1	-	-	-	-	-	-	-	-
		Alcohol, Propyl	1	1	-	-	-	-	1	X	1	-	2	1	1	1	1	Aromatic Hydrocarbons	X	X	-	-	X	2	1	-	-	2	1	2	2	2
LIVE SWIVEL		Alkazene	X	X	X	-	X	X	-	-	-	1	1	-	-	-	Arsenic Acid	-	-	-	1	-	-	1	-	2	2	-	1	2	-	
		Aluminum Chloride	1	1	1	1	1	2	1	X	x	X	X	2	X	X	Askarel, Transformer Oil	X	X	X	-	X	-	1	-	1	1	1	1	-	1	
		Aluminum Fluoride	1	1	1	1	1	2	1	X	-	X	X	2	2	2	X	Asphalt, Under 180°F	2	2	2	X	X	1	1	-	2	1	1	1	-	2
		Aluminum Hydroxide	1	1	1	1	1	-	1	1	1	1	-	1	1	-	1	Asphalt, Cut Back	X	2	2	-	X	1	1	1	x	1	1	1	2	2
BALL VALVES		Aluminum Hydroxide, Saturated	1	1	1	-	-	-	1	1	1	-	1	1	-	-	Asphalt, Topping	1	X	-	-	-	-	1	-	x	1	1	1	-	-	
		Aluminum Nitrate	1	1	1	1	1	2	1	-	1	-	X	1	1	2	-	ASTM Oil No.	1	1	1	1	1	2	1	1	x	1	1	1	1	1
		Aluminum Sulfate	1	1	1	1	1	1	X	1	1	-	X	X	2	X	X	ASTM Oil No.	2	2	1	-	2	-	1	1	1	1	1	1	1	1
		Alums	1	2	1	-	1	-	1	1	1	1	-	1	1	-	X	ASTM Oil No. 3	1	X	X	X	-	-	1	1	1	1	1	1	1	1
ACCESSORIES		[Ammonium or Potassium]	2	X	-	-	-	-	-	-	-	1	1	1	-	-	ASTM Oil No. 4	X	2	-	-	-	-	1	-	1	1	1	1	-	-	
		Ammonia, Aqueous																														
		Ammonium Carbonate																														
EQUIPMENT AND PARTS																																

# Chemical Resistance Table – Continued

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers										Couplings & Adapters			
	Trade Names													
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
Chemical Name														
ASTM Reference Fuel A	[2]	1	[1]	1	1	-	1	1	1	1	1	1	1	1
ASTM Reference Fuel B	[2]	1	[2]	2	X	-	1	-	1	1	1	1	1	1
ASTM Reference Fuel C	X	2	X	2	X	-	1	-	1	1	1	1	-	1
ATL-857	X	2	-	-	-	-	-	-	2	-	-	-	-	-
Atlantic Dominion F	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Aurex 903R (Mobil)	2	1	-	-	-	-	-	-	-	-	-	-	-	-
Automatic Brake Fluid	2	X	-	-	-	-	1	-	1	1	1	1	-	-
Automatic Transmission Fluid														
- ATF	2	1	-	1	-	-	1	-	1	1	1	1	-	-
Aviation Gasoline, Mil.	-	2	-	-	-	-	-	-	-	1	1	1	1	-
<b>B</b>														
Baltic Types														
100, 150, 200, 300, 500	-	1	-	-	-	-	1	-	-	-	-	-	-	-
Banvel,														
Concentrated (Ag Spray)	-	-	-	-	-	-	1	1	-	-	-	1	-	-
Bardol B	X	X	X	-	X	-	1	-	-	1	1	1	-	-
Barium Carbonate	1	1	1	1	1	-	1	1	-	2	1	1	X	1
Barium Chloride	X	1	1	1	1	1	1	1	-	X	2	2	X	2
Barium Chloride, 5%	X	1	-	-	-	-	1	X	1	2	1	1	X	-
Barium Chloride,														
Aqueous Solution (Hot)	X	1	-	-	-	-	1	X	-	2	2	2	X	-
Barium Hydroxide	1	1	1	1	1	X	1	1	1	X	1	1	X	X
Barium Sulfate	1	1	-	1	2	-	1	1	1	2	1	1	2	2
Barium Sulfate,														
Aqueous Solution (Hot)	X	-	-	-	-	-	1	X	1	2	1	1	2	-
Barium Sulfide	2	1	1	1	1	-	1	2	1	X	1	1	X	X
Bayol D	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Bayol 35	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Beet Sugar Liquors	X	1	1	1	1	X	1	-	1	2	2	2	2	X
Bellows 80-20 Hydraulic Oil	-	1	-	-	-	2	1	-	-	-	-	-	-	-
Benzaldehyde	X	X	X	2	X	1	1	1	1	1	1	1	1	1
Benzene, Benzol	X	X	X	X	X	2	1	1	2	1	1	1	1	1
Benzene Sulfonic Acid	X	-	-	-	-	-	1	-	1	X	-	2	X	-
Benzine, Petroleum Ether	X	2	X	1	-	2	1	-	-	1	1	1	1	1
Benzoic Acid 21°C [70°F]	X	X	X	1	-	-	1	-	1	1	1	1	1	1
Benzol	X	X	X	X	-	-	1	1	2	1	1	1	1	1
Benzyl Alcohol	X	X	-	1	-	-	1	X	1	1	1	1	1	-
Benzyl Benzoate	-	-	-	-	-	-	1	-	-	1	1	1	-	-
Benzyl Chloride	X	X	X	X	-	-	1	2	2	1	-	-	-	-
Bismuth Carbonate	X	-	-	-	-	-	1	-	-	1	1	1	-	-
Black Point 77	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Black Sulfate Liquor	2	2	2	2	2	-	1	1	1	1	1	1	-	1
Blast Furnace Gas	X	X	X	-	X	X	1	-	-	1	1	1	2	1
Borax, Sodium Borate	X	2	2	1	1	1	1	X	-	2	1	1	X	2
Bordeaux Mixture	2	2	2	-	-	1	1	1	1	X	-	1	1	X
Boric Acid	1	1	1	-	1	1	1	X	1	X	2	2	1	X
Boron Fuels, HEF	X	X	-	-	-	-	-	-	-	-	-	-	-	-
Brake Fluid, Petroleum Base	2	1	2	1	X	-	1	-	-	1	1	1	-	1
Brake Fluid, Synthetic Base	X	X	X	1	X	-	1	-	-	1	1	1	1	1
Bray G6 - 130	X	2	-	-	-	-	-	-	-	-	-	-	-	-
Brayco 719-r [VV-H-910]	2	X	-	-	-	-	-	-	-	-	-	-	-	-
Brayco 885 [MIL-L-6085A]	X	2	-	-	-	-	-	-	-	-	-	-	-	-
Brayco 910	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Brine	1	1	1	1	-	-	1	1	1	2	1	1	-	2
Brom-113	X	2	-	-	-	-	-	-	-	-	-	-	-	-
Brom-114	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Bromine, Dry	X	X	X	-	-	-	x	-	-	X	X	X	-	X
Bunker Oil	X	2	2	-	X	2	1	1	2	1	1	1	1	1
Butadiene	X	2	-	-	-	-	1	1	-	-	1	1	-	1
Butane	X	X	X	-	X	X	1	X	-	1	1	1	-	1

\*\*Nitrile 150°F or less, no constant contact.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers										Couplings & Adapters			
	Trade Names													
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
Chemical Name														
Butter Oil	2	-	-	-	-	-	1	-	-	1	1	1	1	1
Butyric Acid	X	-	-	1	-	-	1	X	1	X	1	1	-	2
Butyl Acetate	X	X	X	2	X	-	1	-	2	2	1	1	1	1
Butyl Alcohol	1	1	1	1	-	-	1	1	1	1	1	1	1	1
Butyl Amine	-	-	-	-	-	-	1	1	-	1	1	1	1	1
Butyl Carbitol	2	2	-	1	-	-	1	-	-	1	1	1	1	1
Butyl Mercaptan	-	-	-	-	-	-	1	-	-	-	1	1	1	-
Butyl Stearate	X	2	2	2	-	-	1	-	-	1	1	1	1	1
Butyraldehyde	X	X	-	2	-	-	1	-	-	-	-	-	-	1
<b>C</b>														
Calcium Acetate	X	X	X	1	X	-	1	-	-	2	2	2	X	1
Calcium Arsenate	-	-	-	-	-	1	1	1	-	-	-	-	-	-
Calcium Bisulfate	1	1	2	1	1	-	1	-	-	-	2	1	-	X
Calcium Bisulfide	1	1	2	1	1	1	1	-	-	-	2	2	X	X
Calcium Bisulfite	1	1	1	1	1	-	1	1	-	X	1	1	1	X
Calcium Carbonate	1	1	1	1	1	1	1	1	-	2	1	1	X	1
Calcium Chlorate	1	1	1	-	1	-	1	-	-	2	2	1	1	-
Calcium Chloride	1	1	1	1	1	1	1	1	-	X	2	1	X	-
Calcium Hydroxide	1	2	2	1	1	X	1	-	x	X	X	1	-	2
Calcium Hydroxide, 10% Boiling	-	2	-	-	-	-	1	X	x	2	1	1	X	X
Calcium Hydroxide, 20% Boiling	-	-	-	-	-	-	1	X	x	-	1	1	X	X
Calcium Hydroxide, 50% Boiling	-	-	-	-	-	-	1	X	x	-	X	2	X	X
Calcium Hypochlorite, 5% [Under 100°F]	X	2	X	1	2	-	1	X	x	X	X	2	X	X
Calcium Hypochlorite, 15% [Under 100°F]	X	-	X	1	2	-	1	X	x	-	X	2	X	X
Calcium Nitrate	1	1	1	1	1	-	1	1	-	X	2	2	X	1
Calcium Silicate	-	2	-	1	2	-	1	-	-	1	1	1	1	1
Calcium Sulfate	1	1	1	1	1	-	1	-	-	2	1	1	2	1
Calcium Sulfide	1	2	-	1	-	-	1	2	-	2	1	1	2	-
Caliche Liquors	1	2	-	1	1	1	1	-	-	1	1	1	-	-
Cane Sugar Liquors	1	1	2	1	-	-	1	-	-	1	1	1	1	2
Carbolic Acid, Phenol	X	X	X	1	X	X	1	X	-	X	1	1	2	X
Carbon Dioxide, Dry	2	1	1	1	1	1	1	-	-	1	1	1	1	1
Carbon Dioxide, Wet	2	1	1	1	1	-	1	-	1	1	1	1	1	1
Carbon Disulfide	X	X	-	2	X	2	1	1	1	2	1	1	2	X
Carbon Monoxide, Under 150°F [Hot]	2	2	2	1	1	-	1	2	1	1	1	1	1	1
Carbon Tetrachloride, 5%-10%	-	-	-	-	-	-	1	-	x	-	X	-	-	-
Carbon Tetrachloride, Pure	X	X	X	2	X	X	1	X	x	X	X	2	2	2
Carbonic Acid	1	1	1	1	1	X	1	-	1	X	1	1	2	X
Castor Oil	2	2	2	1	2	2	1	1	-	1	1	1	1	1
Caustic Soda, 20%	2	X	X	1	1	X	1	2	-	2	1	1	X	X
Caustic Soda, 50%	2	X	X	1	1	X	1	2	-	2	1	1	X	X
Cellosolve Acetate, Under 100°F	X	X	X	2	X	-	1	-	-	2	2	2	1	-
Cellosolve, Butyl, Under 100°F	X	X	X	-	X	-	1	-	-	2	2	2	2	-
Cellosolve, Union Carbide, Under 100°F	X	X	-	-	-	-	1	-	-	2	2	2	2	-
Cellugard, Cellugard 200	1	1	-	-	-	-	1	-	-	1	1	1	1	1
Cellulube 90, 150, 220, 300, 550	X	X	X	-	X	-	1	-	-	1	1	1	1	1
Cellulube 1000, 220A, ST220, A60	X	X	X	-	X	-	1	-	-	1	1	1	1	1
Cellutherm 2505A	X	2	-	-	-	-	-	-	-	-	-	-	-	-
Chevron Fr-10,13,20,8	-	-	-	-	-	-	1	-	-	1	1	1	-	1
Chlordane	X	X	X	-	X	-	1	1	-	-	-	-	-	-
Chlorinate Paraffin & Petroleum Oil	-	-	-	-	-	-	1	-	-	1	1	1	1	1
Chlorine Gas, Dry	NO HOSE AVAILABLE										2	X	X	-
Chlorine Gas, Wet	NO HOSE AVAILABLE										X	X	X	X
Chlorine Trifluoride	X	X	-	-	-	-	-	-	-	1	1	1	1	-

HOSE

HOSE/CPLG. SELECTION

## Chemical Resistance Table – Continued

HOSE																
HOSE/CPLG. SELECTION																
G8K COUPLINGS	Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing not recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters						
		Trade Names														
		A	C	C <sub>2</sub>	J	M	U	T	Z							
		Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass	
GLOBAL SPIRAL COUPLINGS	Chemical Name	Chlorine Water, 3% Chlorine	X	X	X	-	-	-	1	-	1	-	X	X	-	-
PCM / PCS FERRULES	Chlorine Water, 25% Chlorine	X	X	X	X	-	2	2	1	2	-	-	X	X	-	-
	Chloroacetic Acid (Under 100°F)	X	X	X	X	-	2	-	1	X	x	X	X	X	-	2
	Chlorobenzene	X	X	X	X	X	-	1	X	-	-	2	2	2	X	1
	Chlorobromo Methane	X	X	X	X	X	-	1	-	X	-	2	2	2	X	1
MEGACRIMP COUPLINGS	Chloroform	X	X	X	X	X	-	1	X	2	-	2	2	1	X	1
	O-Chloronaphthalene	X	X	X	X	-	-	-	1	2	-	1	1	1	-	1
	Chlorosulfonic Acid	2	X	X	X	-	-	1	X	x	1	-	-	-	-	-
	Chlorotoluene	X	X	X	X	X	X	1	-	-	1	1	1	X	1	
POWER CRIMP COUPLINGS	Chlorox, Bleach	2	2	-	1	2	-	1	1	1	X	X	2	X	X	
	Chromic Acid, 5%	X	X	X	-	-	-	1	X	1	X	X	2	X	X	
	Chromic Acid, 10%	X	X	X	1	2	X	1	X	1	X	X	2	X	X	
	Chromic Acid, 25%	X	X	X	1	2	X	1	X	1	X	X	2	1	X	
LOC, GL AND GLP COUPLINGS	Chromic Acid, 50%	X	X	X	1	2	X	1	X	1	X	X	2	1	X	
	Chromic Acid, 100%	-	-	-	-	X	1	-	2	-	X	X	2	-	X	
	Circo Light Process Oil	1	1	-	-	-	-	1	-	-	1	1	1	1	-	
	Citgo FR Fluids	-	X	-	X	-	2	1	-	-	1	1	1	-	1	
POLARSEAL COUPLINGS	Citgo Glycol FR-20XD	-	1	-	-	-	2	1	-	-	1	1	1	-	1	
	Citgo Sentry (Under 100°F)	2	2	1	-	X	2	1	-	-	1	1	1	-	1	
	Citgo Tractor Hydraulic Fluid	-	1	-	-	-	2	1	-	-	1	1	1	-	1	
	Citric Acid, 5%	-	2	-	-	-	-	1	1	1	X	1	1	1	X	
POLARSEAL II COUPLINGS	Citric Acid, 5% @150°F	-	2	-	-	-	-	1	1	X	1	X	1	2	X	
	Citric Acid, 15%	1	2	-	-	-	-	1	1	1	X	X	1	-	1	
	Citric Acid, 15% Boiling	1	2	-	-	-	-	1	X	-	X	2	1	X	X	
	Citric Acid, Concentrated Boiling	1	X	1	-	1	2	1	X	-	X	X	1	X	X	
C14 COUPLINGS	Coal Gas	1	X	-	1	-	1	1	-	-	-	-	-	-	-	
	Coal Tars	X	2	X	2	2	-	1	X	-	1	1	1	1	1	
	Cod Liver Oil	1	1	1	-	-	-	1	-	-	1	1	1	1	1	
	Coke Oven Gas (Under 100°F)	X	2	X	-	2	-	1	-	-	1	1	1	1	1	
PCTS THERMOPLASTIC COUPLINGS	Condor 1000, 1002, 1004, 1006, 1008	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
	Condor 1008, 1010, 1012, 1014, 1016	-	2	-	-	-	-	-	-	-	-	-	-	-	-	
	Convelex 10	X	X	-	-	-	-	-	-	-	-	-	-	-	-	
	Copper Arsenate, Cupric Arsenate	-	-	-	-	2	-	1	-	-	1	1	1	-	-	
FIELD ATTACHABLE G1 & G2 COUPLINGS	Copper Chloride, 1%	1	1	-	-	-	-	1	X	-	X	X	1	-	X	
	Copper Chloride, 5%	1	1	-	-	-	-	1	X	-	X	X	1	-	-	
	Copper Chloride, Cupric Chloride	2	2	2	2	2	1	1	2	-	X	X	1	-	X	
	Copper Cyanide, Cupric Cyanide	2	2	2	-	2	-	1	X	-	1	1	1	-	X	
SURELOK AIR BRAKE COUPLINGS	Copper Nitrate, 1% & 5%	1	1	-	-	-	-	1	1	-	X	1	1	X	X	
	Copper Nitrate, Cupric Nitrate	1	1	1	1	1	-	1	-	-	1	1	1	1	-	
	Copper Sulfate, Cupric Sulfate	1	1	1	1	1	1	1	1	-	X	1	1	X	X	
	Copper Sulfate, 10%	1	1	-	-	-	-	1	-	-	X	2	2	X	-	
ADAPTERS	Copper Sulfate, 50%	1	1	-	-	-	-	1	-	-	-	2	2	-	-	
	Corn Oil	X	2	2	2	X	X	1	-	-	1	1	1	-	1	
	Corn Syrup	2	2	-	2	-	-	1	-	-	1	1	1	1	-	
	Cottonseed Oil	2	2	1	2	2	X	1	2	-	1	1	1	1	1	
LIVE SWIVEL	Creosote, Wood Or Coal Tar (Under 100F)	X	2	X	-	X	X	1	X	x	2	1	1	1	X	
	Cresol, Cresylic Acid (Under 100°F)	X	X	X	1	X	-	1	X	-	2	1	1	2	-	
	Cyeseylic Acid	X	X	-	-	-	-	1	X	-	1	1	1	1	-	
	Crude Petroleum Oil (Under 100°F)	X	X	X	2	2	2	2	1	-	-	X	X	2	1	-
ACCESSORIES	Cutting Oil, Water Soluble	X	1	-	-	-	-	1	-	-	1	1	1	-	1	
	Cutting Oil, Sulfur Base	X	1	-	-	-	-	1	-	-	1	1	1	1	1	
	EQUIPMENT AND PARTS	Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing not recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters					
			Trade Names													
		A	C	C <sub>2</sub>	J	M	U	T	Z							
		Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass	
HOSE	Chemical Name	Cutting Oil	2	1	2	1	X	-	1	-	1	1	1	1	1	
HOSE/CPLG. SELECTION	Cyclohexane	X	2	-	1	X	1	1	1	1	1	1	1	1	1	
	Cyclohexanone	X	X	X	2	X	1	1	1	-	-	-	1	1	2	-
	Cymene	X	X	X	X	X	X	-	1	-	-	-	1	1	1	1
G8K COUPLINGS																
GLOBAL SPIRAL COUPLINGS																
PCM / PCS FERRULES																
MEGACRIMP COUPLINGS																
STAINLESS STEEL																
POWER CRIMP COUPLINGS																
LOC, GL AND GLP COUPLINGS																
POLARSEAL COUPLINGS																
POLARSEAL II COUPLINGS																
C14 COUPLINGS																
PCTS THERMOPLASTIC COUPLINGS																
FIELD ATTACHABLE G1 & G2 COUPLINGS																
FIELD ATTACHABLE C5 & C5E COUPLINGS																
SURELOK AIR BRAKE COUPLINGS																
ADAPTERS																
QUICK DISCONNECT COUPLERS																
LIVE SWIVEL																
BALL VALVES																
ACCESSORIES																
EQUIPMENT AND PARTS																

# Chemical Resistance Table – Continued

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters					
	Trade Names								Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass					
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon					MegaTuff	
Chemical Name														
Ethyl Acetate	X	X	X	2	X	2	1	1	1	1	1	1	2	2
Ethyl Acetoacetate	X	X	X	1	X	X	1	-	-	1	1	1	1	1
Ethyl Acrylate	X	X	X	2	X	X	1	-	-	1	1	1	1	-
Ethyl Alcohol	1	1	1	1	-	-	1	1	1	1	1	1	1	2
Ethyl Amine, Monoethylamine	X	X	X	1	X	X	1	-	-	2	1	1	2	1
Ethyl Benzene	X	X	X	2	X	1	1	-	-	1	1	1	1	1
Ethyl Bromide, Di	X	X	X	2	X	-	1	-	-	1	1	1	1	1
Ethyl Butyrate	X	X	X	-	-	-	1	-	-	-	1	1	1	-
Ethyl Cellulose	-	-	-	1	-	-	1	-	-	1	1	1	-	1
Ethyl Chloride	X	X	X	-	-	X	1	-	2	2	1	1	1	2
Ethyl Ether	X	X	X	-	-	1	-	x	-	2	1	1	1	1
Ethyl Mercaptan	X	X	X	-	X	X	1	-	-	2	-	-	-	-
Ethyl Oxalate	X	X	-	1	X	X	1	-	-	-	-	-	-	-
Ethyl Pentachlorobenzene	-	X	-	X	-	1	1	-	-	2	1	1	-	1
Ethyl Silicate	1	1	1	1	-	1	1	1	-	1	1	1	1	1
Ethylene Chloride	X	X	X	X	-	1	1	X	-	-	1	1	-	2
Ethylene Chlorohydrin, Under 100°F	X	X	X	-	-	X	1	X	-	1	1	2	X	-
Ethylene Diamine [Under 100°F]	2	2	2	1	X	X	1	-	-	-	-	-	-	1
Ethylene Dichloride	X	X	X	X	-	1	1	X	-	-	1	1	X	2
Ethylene Glycol	1	1	1	1	1	1	1	1	1	2	1	1	1	1
F														
Factovis 52	-	1	-	-	-	-	-	-	-	1	1	1	1	1
Fatty Acids	2	2	2	2	X	1	1	1	2	2	1	1	1	2
Ferric Chloride	-	-	-	1	2	-	1	1	-	X	X	X	X	X
Ferric Chloride, 1%	1	1	-	-	-	-	1	1	-	X	2	2	X	X
Ferric Chloride, 1% Boiling	-	2	-	-	-	-	1	1	-	X	X	X	X	X
Ferric Chloride, 5% Still	2	1	-	-	-	-	1	1	-	X	X	X	X	X
Ferric Chloride, 5% Agitated or Aerated	2	2	-	-	-	-	1	1	-	X	X	X	X	X
Ferric Chloride, 10%	2	1	-	-	-	-	1	1	-	X	X	X	X	X
Ferric Sulfate	2	2	2	1	2	-	1	1	1	X	1	1	X	X
Ferrous Chloride	1	1	-	1	2	-	1	-	-	X	1	2	-	2
Ferrous Nitrate	2	2	2	-	2	-	1	-	-	-	1	1	-	-
Ferrous Sulfate, Copper Gas	2	2	2	1	2	-	1	-	1	X	1	1	1	2
Ferrous Sulfate, 10%	1	1	-	-	-	-	1	1	1	X	2	2	X	-
Ferrous Sulfate, Saturated	1	-	-	-	-	-	1	1	1	-	2	2	X	-
Fire Resistant Hydraulic Fluid, Texaco	-	1	-	-	-	-	1	-	-	1	1	1	1	1
Firtec 290, MF	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Fixing Solution, Photo	2	-	-	-	2	-	1	-	-	-	1	1	-	-
Fluoboric Acid	1	1	-	1	-	-	1	-	1	1	-	1	X	-
Fluoboric Acid, 65%	2	-	-	1	2	X	1	-	1	-	1	1	-	-
Fluosilicic Acid	2	1	-	-	-	-	1	-	1	X	X	X	X	1
Fluosilicic Acid, 50%	2	X	X	1	2	X	1	X	1	-	-	-	1	-
Formaldehyde	1	X	-	1	-	-	1	2	-	1	1	1	1	X
Formaldehyde, 37%	2	2	-	1	2	2	1	-	1	-	1	1	1	1
Formaldehyde, Hot	-	-	-	-	-	-	1	1	-	X	2	1	2	1
Formic Acid [Under 120°F]	1	X	1	1	2	X	1	2	1	X	2	1	1	2
Formic Acid, Dilute Hot	1	X	-	1	-	-	1	X	-	X	2	1	2	X
Freon 12 [Under 100°F]														
Use Freon Hose Only										2	1	1	1	1
Freon 114 Use Freon Hose Only										1	1	1	1	-
Fruit Juices										-	X	1	1	-
Fuel Oil	[2]	1	[1]	1	X	2	1	1	1	2	2	2	1	2
Fumaric Acid	2	X	-	-	-	X	1	-	1	1	1	1	-	-
Furan, Furfuran	X	X	X	1	-	-	1	-	1	1	1	1	1	1
Furan Resin	X	X	-	-	-	-	1	-	-	-	-	1	-	-
Furfural Alcohol, Ant Oil	2	X	X	1	2	-	1	1	2	2	1	1	1	1

\*\*Nitrile 150°F or less, no constant contact.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters					
	Trade Names								Carbon Steel 304 Stainless Steel 316	Aluminum	Brass			
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon				MegaTuff		
Chemical Name														
Fusel Oil, Grain Oil	X	X	-	-	-	-	1	-	1	-	-	-	-	-
Fyrguard 150, 200	-	1	-	-	-	-	1	-	-	1	1	1	1	1
Fyrquel A60, 90, 100, 150, 220, 300, 500	X	X	-	-	-	-	1	-	-	1	-	-	1	-
Fyrquel 1000, 15R60, 220R60, 550R60	X	X	-	-	-	-	1	-	-	1	-	-	1	-
G														
Gallic Acid [Under 100°F]	X	X	X	1	-	X	1	2	1	X	1	1	X	-
Gas, Natural	-	-	-	X	-	-	1	-	-	1	1	1	-	2
Gasohol	2	*	*	-	X	-	1	-	1	2	1	1	1	1
Gasoline, Aviation	X	-	2	-	-	-	1	-	1	-	1	1	1	1
Gasoline, Meter	X	*	-	-	-	-	1	X	1	1	1	1	1	X
Gasoline, Premium	[2]	*	*	-	X	X	1	-	1	2	1	1	1	1
Gasoline, Sour	X	X	-	-	-	-	1	-	-	2	1	1	X	-
Gasoline, Standard	[1]	*	*	2	X	X	1	-	1	2	1	1	1	1
Gasoline, Unleaded														
Under 50% Aromatics	X	*	X	-	X	X	1	-	1	2	1	1	1	1
Gelatin	1	1	-	-	-	-	1	1	-	X	1	1	1	-
Glauber's Salt	2	X	-	-	-	-	1	-	-	-	1	1	-	-
Glucose	1	1	1	-	1	1	1	1	-	1	1	1	1	1
Glue [Under 120°F]	2	2	2	-	1	1	1	2	-	2	1	1	2	X
Glycerine, Glycerol	1	1	1	1	1	1	1	1	-	2	1	1	1	2
Glycol FR Fluids	-	1	-	-	-	-	1	-	-	1	1	1	1	1
Glycols [Under 120°F]	1	1	1	1	1	1	1	1	2	2	1	1	1	1
Grease, Ester Base	-	-	-	-	-	-	1	1	-	1	1	1	1	1
Grease, Petroleum Base	2	1	2	-	2	1	1	1	2	1	1	1	1	1
Grease, Silicone Base	-	-	-	-	-	-	1	1	1	1	1	1	1	1
Green Sulfate Liquor, Under 100°F	2	2	1	2	1	-	1	-	1	1	1	1	-	-
Gulf FR Fluid G-200	-	1	-	-	-	X	1	-	-	1	1	1	1	1
Gulf FR Fluid P37, P40, P43, P45, P47	-	X	-	-	-	X	1	-	-	-	-	-	-	-
H														
Halowax Oil	X	X	X	-	X	-	1	-	1	-	-	-	-	-
Heptachlor, In Petroleum	-	2	X	-	-	-	1	-	-	-	-	-	-	-
Heptane [Under 100°F]	[2]	1	[2]	1	X	1	1	1	1	1	1	1	1	1
N-Hexaldehyde	2	X	2	-	-	-	1	-	1	1	1	1	1	1
Hexane [Under 120°F]	[2]	1	[2]	2	1	1	1	1	1	1	1	1	1	1
Hexene	[2]	2	-	1	-	-	1	-	1	1	1	1	-	1
Hexyl Alcohol	1	2	1	1	-	-	1	-	-	1	1	1	1	2
High Viscosity Lubricant, U4	2	1	-	-	-	-	1	-	-	-	-	-	-	-
High Viscosity Lubricant, H2	2	1	-	-	-	-	1	-	-	-	-	-	-	-
Hilo MS #1	X	X	-	-	-	-	-	-	-	-	-	-	-	-
Houghto-Safe 1010,1055 [Phos. Ester]	X	X	X	1	X	-	1	-	-	1	1	1	1	1
Houghto-Safe 1115, 1120, 1130 [Phos. Ester]	X	X	X	1	X	-	1	-	-	1	1	1	1	1
Houghto-Safe 271, 416, 520, 616 [Water/Glycol]	2	1	1	-	-	2	1	-	-	1	1	1	1	1
Houghto-Safe 620, 625, 640, 525 [Water/Glycol]	1	1	1	-	-	2	1	-	-	1	1	1	1	1
Houghto-Safe 5046, 5046W [Water/Oil Emulsion]	2	1	-	-	-	-	1	-	-	1	1	1	1	1
Hy-Chock Oil	-	1	-	-	-	-	1	1	-	1	1	1	-	-
Hydrafluid 760, Texaco and Houghton	-	1	-	-	-	-	1	1	-	1	1	1	-	1
Hydrafluid AZR60, A, B, AA, C	-	1	-	-	-	-	1	1	-	1	1	1	-	1
Hydralol A	-	1	-	-	-	-	1	1	-	1	1	1	-	-
Hydraulic Fluid, Phosphate Ester Base	X	X	X	1	-	X	1	1	-	1	1	1	-	-

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



# Chemical Resistance Table – Continued

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers	Couplings & Adapters
	Trade Names	
	A C C <sub>2</sub> J M U T Z	
Chemical Name	Polychloroprene Nitrile CPE CSM [Urethane] PTFE Nylon MegaTuff	Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass
Hydraulic Fluid, Std. Petroleum Oils	2 1 2 1 2 2 1 1 -	1 1 1 1 1 1
Hydraulic Fluid, Water Glycol Base	1 1 1 - - 1 1 1 -	1 1 1 1 1 1
Hydraulic Fluid HF - 18, HF - 20	- 1 - - - 2 1 1 -	1 1 1 1 1 1
Hydraulic Fluid HF - 31	- - - - - 1 1 -	1 1 1 1 1 1
Hydraulic Oils, Petroleum	2 1 - - - - 1 1 -	1 1 1 1 1 1
Hydraulic Oils, Synthetic	- X - - - - 1 - -	1 1 1 1 1 1
Hydraulic Safety Fluid 200 & 300, Texaco	- 1 - - - 1 1 - -	1 1 1 1 1 1
Hydrazine	X X X - - 2 1 - -	- - - - - -
Hydro-Drive Oil, Houghton	- 1 - - - 2 1 - -	- - - - - -
Hydrobromic Acid	X X - - - - 1 X 1	1 1 1 X - -
Hydrobromic Acid, 37%	X X X 1 2 X 1 X 1	1 1 1 X - -
Hydrochloric Acid	2 X - - - - 1 X 1	X X X X X X
Hydrochloric Acid, 3 Molar	2 X - - - - 1 X 1	X X X X X X
Hydrochloric Acid, Concentrated	X X - - - - 1 X 1	X X X X X X
Hydrochloric Acid, 15%	X X X 1 2 X 1 X 1	X X X X X X
Hydrochloric Acid, 37%	X - X 1 2 X 1 X 1	X X X X X X
Hydrocyanic Acid, 20% Under 100°F	X X X - 2 X 1 1 1	X 1 1 1 X X
Hydrocyanic Acid, 98%	- - - - - 1 - 1	- - - - - -
Hydrofluoric Acid, 10%	2 2 X 1 1 X 1 X 1	X X X X X X
Hydrofluoric Acid, 20% [Under 120°F]	2 X X 1 2 X 1 X 1	X X X X X X
Hydrofluoric Acid, 48% [Under 120°F]	2 X X 1 2 X 1 X 1	X X X X X X
Hydrofluoric Acid, 70%	- X X - 2 X 1 X x	X X X X X X
Hydrofluoric Acid, Concentrated	X X X 1 2 X 1 X x	X X X X X X
Hydrofluoric Acid, Anhydrous	- X - - - 1 - -	- - - - - -
Hydrofluosilicic	X X X X - - 1 X 1	X X X X 1
Hydrogen	1 1 - 1 - - 1 - x	X X X 1 -
Hydrogen Chloride Gas	- - - 1 - - 1 - -	- 1 1 - -
Hydrogen Cyanide Gas	- - - - - - - -	- - - 1 -
Hydrogen Fluoride [Under 100°F]	- X - - - - 1 - -	2 2 1 - -
Hydrogen Peroxide, Dilute	1 2 - - - - 1 1 1	1 - 1 - X
Hydrogen Peroxide, 10%	X 1 X 1 2 X 1 X 1	X 2 1 1 X
Hydrogen Peroxide, 30%	X 2 X 1 2 X 1 X 1	X 2 1 1 X
Hydrogen Peroxide, 70%	X X X 1 - X 1 X 1	X 2 1 1 X
Hydrogen Peroxide, 90%	X X - - - - 1 - 1	X 2 1 - X
Hydrogen Sulfide	2 X - - - - 1 1 x	2 2 1 - X
Hydrogen Sulfide Aqueous Solution	2 X - - - - 1 - -	X - - X -
Hydrogen Sulfide, Gas	- - - - - - x	- - - - -
Hydrolube, Water Glycol	2 1 - - - X 1 - 1	1 1 1 - 1
Hydrolubric Oil, Houghton	- 2 - - - 2 1 1 -	- - - - -
Hydroquinone	X - - - X - 1 - -	- 1 1 2 -
Hykil No.6 [33%]; Water [67%]	- 2 - - - - 1 - -	1 - - - -
Hypochlorous Acid [Under 120°F]	X X X - 2 - 1 1 1	2 2 2 X -
Hypoid Grease [Parapoid 10-C]	- 1 - - - - 1 - -	- - - - -
<b>I</b>		
Imol, Imol S150, S220, S300, S500	- 1 - - - 2 1 1 -	1 1 1 1 -
Industron 53	- 1 - - - - 1 - -	- - - - -
Ink [Printers]	1 1 - - - - 1 1 -	2 2 1 - 2
Ink Oil	- 2 - - - - 1 - -	1 1 1 - 1
Insulating Oil [Transformer]	2 1 2 - X - 1 - -	1 1 1 - 1

\*\*Nitrile 150°F or less, no constant contact.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers	Couplings & Adapters
	Trade Names	
	A C C <sub>2</sub> J M U T Z	
Chemical Name	Polychloroprene Nitrile CPE CSM [Urethane] PTFE Nylon MegaTuff	Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass
Isobutyl Alcohol	2 2 2 1 - - 1 1 1	1 1 1 1 2
Iodine [Under 100°F]	X X - 1 2 X 1 1 -	2 2 2 X -
Iodine, In Alcohol	2 - - - - X 1 - 1	- - - X -
Iodine Pentafluoride	X X - - - - 1 - -	X 2 2 X -
Isooctane	1 1 2 2 1 2 1 1 -	1 1 1 2 1
Isooctyl Thioglucolate	- - - - - 1 1 - -	- - - - -
Isobutane - WET	X X - - - X 1 X -	X 1 1 2 1
Isopropyl Acetate	X X X - X 2 1 1 1	2 2 1 X 1
Isopropyl Alcohol [Isopropanol]	2 2 2 1 2 2 1 1 1	1 1 1 1 2
Isopropyl Ether	X X X - - - 1 1 1	1 1 1 1 1
<b>J</b>		
Fuel JP-3 [Under 100°F]	[2] 1 [2] - X 2 1 1 -	1 1 1 2 1
Jet Fuel JP-4 [Under 100°F]	[X] 1 [2] - X - 1 1 -	1 1 1 2 1
Jet Fuel JP-5	X 1 X - X - 1 1 -	2 1 1 2 1
Jet Fuel JP-6	X 1 X - X - 1 1 -	2 1 1 2 1
Jet Fuel JP-x	2 1 X - X - 1 1 -	2 1 1 2 1
<b>K</b>		
Kerosene	X 1 [2] 1 X - 1 1 -	1 1 1 1 1
Ketchup	1 1 - - - 1 1 -	- 1 1 - -
Ketones	X X X - X X 1 1 1	1 1 1 2 1
<b>L</b>		
Lacquer Solvents	X X X - X 2 1 1 1	X 2 1 1 1
Lacquers	X X X - X - 1 1 -	X X 1 1 1
Lactic Acid	1 X X - 1 X 1 - 1	X 2 1 X 2
Lactic Acid [5%]	2 1 - - - - 1 1 1	X 2 1 1 X
Lactic Acid [5% Boiling]	X X - - - - 1 - -	X 2 1 2 X
Lactic Acid [10% Boiling]	X X - - - - 1 - -	X 2 1 X X
Lactol	2 2 2 - - 1 - -	1 1 1 1 1
Lard	2 1 - 1 - - 1 1 1	1 1 1 1 X
Lasso [Ag Spray]	- - - - - 1 1 -	- 1 1 - -
Latex	1 1 - - X - 1 1 1	1 1 1 1 1
Lead Acetate	X X - 1 2 1 1 - -	2 2 2 X 1
Lead Arsenate	2 2 - - - 1 - -	1 1 1 - -
Lead Nitrate	2 2 - - 1 1 1 - 1	1 2 2 - -
Lead Sulfate	1 1 - 1 2 - 1 - -	1 1 1 - -
Lead, Tetraethyl [Under 100°F]	X 2 X - X - 1 2 -	- - - - -
Lead, Tetramethyl	X 2 X - X 1 1 - -	- - - - -
Lecithin	2 X - - - - 1 - -	- 1 1 - -
Ligroin [Petroleum Ether, Under 120°F]	X 1 - - X - 1 - -	2 1 1 X -
Lime [Chlorinated, Free Chlorine 20%]	- 1 - 1 - 1 - - 1	- - 2 - -
Lime Bleach [Under 100°F]	X 2 X - X - - - -	X 2 1 - -
Lime Sulphur	1 X - - - 2 1 1	2 1 1 X X
Lime Sulfur [Under 135°F]	1 X X - 2 - 2 1 1	2 1 1 X X
Lindane [Ag Spray]	- - - - - 1 1 -	- 1 1 - -
Linoleic Acid	X 2 X - - - 1 - 1	X 2 1 1 -
Linseed Oil	X 1 - - - 1 1 x	1 1 1 2 2
Linseed Oil [Boiled]	2 2 1 1 1 1 1 - -	2 1 1 1 2
Lubricating Oil [SAE 10, 20, 30, 40, 50]	2 2 - - - 1 1 -	1 1 1 1 1
Lubricating Oils [Diester, Under 135°F]	X 2 X - - X 1 1 -	1 1 1 1 1
<b>M</b>		
Machine Oil [Under 135°F]	1 1 2 - 2 - 1 1 -	1 1 1 1 1
Magnesium Carbonate	1 1 1 - 1 1 1 - -	2 2 2 1 -
Magnesium Chloride	1 1 1 1 1 1 1 1	X 2 1 X 2
Magnesium Hydroxide	2 2 2 1 1 X 1 - -	1 1 1 X X
Magnesium Nitrate	2 2 2 - 1 - 1 - -	2 2 2 X 1

# Chemical Resistance Table – Continued

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters					
	Trade Names								Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass					
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon					MegaTuff	
Chemical Name														
Magnesium Sulfate	2	2	2	1	1	1	1	1	1	2	2	2	2	2
Malathion [Ag Spray Dilute]	-	2	-	-	-	-	1	1	1	1	1	1	-	1
Maleic Acid	2	X	-	-	-	-	1	-	1	2	2	1	-	-
Malic Acid	-	-	-	-	-	-	1	-	1	2	2	1	-	-
Manganese Salts	-	1	1	-	1	-	1	-	-	-	-	-	-	-
Maxmul														
[Penzoil Hydraulic Fluid]	2	1	2	-	-	-	1	-	-	1	-	1	-	-
Mercuric Chloride	1	2	2	1	1	2	1	X	-	X	1	1	X	X
Mercuric Cyanide	1	2	2	-	1	-	-	-	-	2	2	2	X	-
Mercurous Nitrate														
[Under 120°F]	1	2	2	-	1	-	1	-	1	1	1	1	X	-
Mercury	1	2	2	1	1	2	1	1	1	1	1	1	X	X
Mesityl Oxide	X	X	X	2	X	X	1	-	1	1	1	1	1	1
Methane	2	1	-	-	-	-	1	-	-	-	1	1	-	-
Methoxychlor [Insecticide]	-	-	-	-	-	-	1	X	-	1	1	1	-	-
Methyl Acetate	X	X	X	1	X	-	1	-	-	1	1	1	1	1
Methyl Acrylate	X	X	X	-	X	-	1	-	-	1	1	1	1	1
Methyl Alcohol	1	1	1	1	-	-	1	1	1	1	1	1	1	2
Methyl Amine														
[25% Aqueous Solution]	2	X	-	-	-	-	1	-	1	1	1	1	1	-
Methyl Amine [60%]	2	2	-	-	-	-	1	2	1	1	1	1	1	2
Methyl Amine [99%]	X	X	-	-	-	-	1	-	1	1	1	1	1	X
Methyl Bromide	X	X	X	-	X	X	1	1	-	1	1	1	X	1
Methyl Butyl Ketone [MBK]	X	X	X	2	X	-	1	-	-	1	1	1	1	1
Methyl Cellosolve [Under 100°F]	2	X	-	1	X	-	1	-	-	2	2	2	2	1
Methyl Chloride	X	X	X	X	X	-	1	1	-	1	1	1	-	1
Methyl Ethyl Ketone [MEK]	X	X	X	2	X	X	1	1	1	1	1	1	2	1
Methyl Formate	2	X	X	-	X	-	1	-	-	2	1	1	1	1
Methyl Isobutyl Ketone														
[MIBK, 100°F]	X	X	X	2	X	X	1	1	-	1	1	1	1	1
Methyl Isopropyl Ketone	X	X	X	2	X	X	1	1	-	1	1	1	1	1
Methyl Methacrylate	X	X	X	2	2	-	1	-	-	2	2	2	-	-
Methyl Salicylate	2	2	2	-	-	-	1	-	-	1	1	1	1	1
Methyl Sulfate														
[Dimethyl, Under 100°F]	X	X	X	-	X	1	1	1	-	1	1	1	-	-
Methylene Chloride	X	X	X	X	X	-	1	X	2	1	1	1	X	1
Methylene Dichloride	X	X	X	-	-	-	1	1	-	1	1	1	X	1
Mineral Oil [Under 120°F]	1	1	1	1	1	1	1	1	1	1	1	1	2	1
Mineral Spirits	-	1	2	-	X	-	1	-	-	1	1	1	2	1
Mobile Therm 603	-	1	-	-	-	-	1	-	-	1	1	1	1	1
Molasses [Under 120°F]	2	2	2	-	1	1	1	-	-	2	1	1	2	X
Monochlorobenzene	X	X	X	X	X	X	1	-	-	1	1	1	X	1
Monoethanolamine	X	2	-	1	X	-	1	-	1	1	1	2	1	1
Morpholine [Pure Additive]	-	-	-	-	-	-	1	-	-	-	1	1	-	-
Motor Oils [Under 135°F]	2	1	2	1	2	2	1	1	-	1	1	1	1	1
Mould Oil	-	-	-	-	-	-	1	-	*	1	1	1	-	-
Muriatic Acid [Hydrochloric]	X	X	X	1	2	X	1	X	1	X	X	X	X	X
Mustard	1	2	1	-	1	-	1	-	-	X	1	1	2	-
N														
Naphtha														
[Low Aromatic Content]	X	2	X	1	X	-	1	1	-	2	1	1	1	1
Naphthalene [Tar Camphor]	X	X	X	1	X	-	1	1	-	1	1	1	1	1
Naphthalene	X	X	X	-	X	-	1	-	-	1	1	1	-	1
Naphthenic Acid	-	2	-	-	-	-	1	-	-	-	2	1	-	-
Natural Gas	-	-	-	-	-	-	1	-	x	1	1	1	-	2
Nickel Acetate solution														
[in water or alcohol]	-	-	-	-	-	-	1	-	1	1	1	1	1	1
Nickel Chloride	2	2	2	1	2	-	1	1	-	1	1	1	1	1
Nickel Nitrate	2	2	2	1	2	-	1	1	-	2	2	2	X	-
Nickel Plating Solution	-	2	-	-	2	X	1	-	-	-	1	1	-	-

\*\*Nitrile 150°F or less, no constant contact.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters					
	Trade Names								Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass					
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon					MegaTuff	
Chemical Name														
Nickel Salts	2	-	1	-	-	1	-	-	-	-	-	-	-	-
Nicotine Salts	-	-	-	-	-	1	1	-	-	1	X	2	-	-
Nitric Acid	X	X	-	-	-	1	-	-	-	X	1	1	-	X
Nitric Acid, 3 Molar	X	X	-	-	-	1	-	1	-	X	1	1	-	X
Nitric Acid, Concentrated [Boiling]	X	X	-	-	-	1	X	X	-	X	2	2	X	X
Nitric Acid, Inhibited Red Fuming [IRFNA]	X	X	-	-	-	1	-	X	-	X	1	1	1	X
Nitric Acid, Red Fuming [RNFA]	X	X	X	-	X	X	1	X	X	X	2	2	2	X
Nitric Acid, 5% To 10%	X	X	X	1	2	X	1	X	1	X	2	2	1	X
Nitric Acid, 20%	X	X	X	1	2	X	1	X	1	X	2	2	X	X
Nitric Acid, 50% [Boiling]	X	X	X	X	X	X	1	X	X	X	2	2	X	X
Nitric Acid, 65% [Boiling]	X	X	X	X	X	X	1	X	X	X	2	2	X	X
Nitric Acid & Hydrochloric Acid	-	X	-	-	-	1	-	X	-	X	X	X	X	-
Nitrobenzene [Under 100°F]	X	X	X	2	X	X	1	2	-	1	1	1	1	1
Nitroethane	X	X	X	1	2	-	1	-	-	1	1	1	1	1
Nitrogen	1	1	2	1	1	1	1	1	X	1	1	1	1	1
Nitrogen Oxide Up To 50% [Under 100°F]	1	1	2	1	1	-	1	1	-	1	1	1	-	X
Nitromethane	X	X	X	-	-	1	1	-	-	1	1	1	1	1
Nitropropane	X	X	X	-	-	1	1	-	-	1	1	1	1	1
Nyvac 20 [WG], 30 [WG]	-	1	-	-	-	1	-	-	-	1	1	1	1	1
Nyvac FR Fluid	-	1	-	-	-	1	-	-	-	1	1	1	1	1
Nyvac FR200 Fluid	-	1	-	-	-	1	-	-	-	1	1	1	1	1
N-Octane	X	2	-	1	X	-	-	-	-	1	1	1	-	1
O														
Octyl Alcohol	2	2	2	1	-	-	1	1	-	1	1	1	-	2
Oils, Crude	X	2	-	-	-	1	-	-	-	1	-	-	-	-
Oil [SAE, Under 100°F]	1	1	1	1	2	1	1	1	-	1	1	1	1	1
Oleic Acid [Under 120°F]	2	2	2	1	2	1	1	-	2	2	2	1	1	2
Oleum	X	X	X	X	X	-	1	X	X	-	-	1	-	-
Olive Oil	X	2	2	2	X	-	1	-	1	2	1	1	1	2
OS 45 Type III [OS45]	1	2	-	-	-	1	-	-	-	-	-	-	-	-
OS 45 Type IV [OS45-1]	1	2	-	-	-	1	-	-	-	-	-	-	-	-
OS 70	1	2	-	-	-	1	-	-	-	-	-	-	-	-
Oxalic Acid [5%, Hot And Cold]	2	2	-	-	-	1	2	-	-	X	2	1	1	X
Oxalic Acid [10%]	2	2	-	-	-	1	2	1	-	X	2	1	1	X
Oxalic Acid [10% Boiling]	X	X	-	-	-	1	-	-	-	X	X	X	X	X
Oxalic Acid	X	X	X	1	2	X	1	X	-	X	2	1	2	X
Oxygen, Gaseous	-	-	-	-	-	1	-	-	-	1	1	1	1	1
Ozone [Dry]	2	X	2	1	2	1	1	2	2	1	1	1	1	1
Ozone [Wet]	-	X	-	-	-	1	-	2	-	X	2	1	2	-
P														
Paint	X	-	-	-	X	X	1	2	1	-	1	1	1	1
Paint Solvents [Oil Base]	X	X	-	-	X	X	1	2	-	-	1	1	1	1
Paints [Oil Base]	-	1	-	-	1	-	1	1	-	-	-	-	-	-
Paint Thinner, Duco	2	1	-	-	-	1	1	-	-	2	2	1	2	X
Palmetic Acid	2	2	2	1	X	1	1	1	1	2	2	1	1	X
Palm Oil	2	1	2	-	2	-	1	-	-	1	1	1	1	1
Paraffin [Petroleum]	2	1	2	1	X	-	1	1	1	2	1	1	1	1
Paraformaldehyde	2	2	2	-	2	1	-	-	-	1	1	1	1	-
Peanut Oil [Less Than 100°F]	2	1	2	-	-	-	1	-	-	1	1	1	1	1
Pentanol	2	2	2	-	2	-	1	1	2	1	1	1	1	1
Perchloric Acid	X	X	-	-	2	X	1	X	1	X	2	1	X	-
Perchloroethylene														
[Tetrachloroethylene]	X	X	X	2	X	-	1	2	1	1	1	1	X	X
Petroleum Ether	X	2	-	1	-	-	1	-	-	2	1	1	-	1
Petroleum Oil [Crude]	2	1	-	-	-	-	1	-	1	-	-	-	-	-
Petroleum Oil [Below 250°F]	2	1	-	-	-	-	1	-	X	-	-	-	-	-

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

# Chemical Resistance Table – Continued

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters			
	Trade Names											
	A	C	C <sub>2</sub>	J	M	U	T	Z				
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316
Chemical Name												
Petroleum Oil (Above 250°F)	X	X	-	-	-	-	1	-	X	-	-	-
Petroleum Oils (Under 100°F)	2	1	2	-	2	2	1	-	1	1	1	1
Petroleum Oils (Refined)	2	1	2	-	2	2	1	1	1	1	1	1
Petroleum Oils (Sour)	2	2	-	-	X	2	1	-	1	2	1	1
Phenol (Carbolic Acid)	X	X	X	1	X	X	1	X	-	2	1	1
Phenol (70/30 Water)	X	X	-	-	-	-	1	-	-	1	1	1
Phenol (85/15 Water)	X	X	-	-	-	-	1	-	-	1	1	1
Phorone												
[Diisopropylidene Acetone]	X	X	-	-	X	X	1	-	-	1	1	1
Phosphate Esters												
[Concentrated]	X	X	-	X	X	X	1	2	1	-	-	-
Phosphate Esters [3 Molar]	X	X	-	2	2	X	1	2	1	-	-	-
Phosphate Esters [Dilute]	X	X	-	1	1	X	1	2	1	-	-	-
Phosphoric Acid	2	2	-	-	-	-	1	-	1	-	2	-
Phosphoric Acid [3 Molar]	X	X	-	-	-	-	1	-	1	-	-	-
Phosphoric Acid [Concentrated]	X	X	-	-	-	-	1	-	2	-	-	-
Phosphoric Acid [1%]	2	-	-	-	-	-	1	-	1	-	1	-
Phosphoric Acid [5%]	2	X	-	-	-	-	1	-	1	-	1	-
Phosphoric Acid [10%]	2	X	-	-	-	-	1	-	1	X	-	1
Phosphoric Acid [10% Hot]	2	X	-	-	-	-	1	-	-	X	-	1
Phosphoric Acid [50%]	2	2	2	1	1	X	1	X	1	X	2	1
Phosphoric Acid [50% Hot]	2	X	-	-	-	-	1	-	-	X	X	2
Phosphoric Acid [85%]	2	X	-	1	1	X	1	X	1	X	2	X
Phosphoric Acid [85% Hot]	2	X	-	-	-	-	1	-	-	X	X	X
Phosphoric Acid [Aerated]	-	-	-	-	-	-	1	-	-	X	-	2
Phosphoric Acid Air Free	-	-	-	-	-	-	1	-	1	X	-	-
Photographic Developers	1	1	-	-	-	-	1	-	-	X	1	1
Photographic, Emulsions	-	-	-	-	-	-	1	-	-	-	-	-
Photographic, Fixing Solutions	2	-	-	-	2	-	1	-	-	-	1	1
Phthalic Acid	-	-	-	-	-	-	-	-	-	2	2	1
Picric Acid												
[Water Solution 100°F]	2	2	2	-	2	-	1	X	2	X	1	1
Pinene	X	2	-	2	-	-	1	-	-	1	1	1
Pine Oil	X	2	-	2	X	-	1	1	-	1	1	1
Piperazine Hydrochloride Solution [34%]	-	2	-	-	-	-	1	-	-	-	-	-
Pitch	2	1	-	-	2	2	1	1	X	-	-	-
Plating Solutions [Chrome]	X	X	-	-	-	X	1	X	-	-	X	X
Plating Solutions [Other]	-	1	-	-	-	-	1	-	-	-	-	-
Polyester Resin	-	-	-	-	-	-	-	2	-	-	-	-
Polyurethane Foam (Under 125°F)	-	-	-	-	-	-	1	-	-	-	-	-
Potassium Acetate	2	2	-	1	2	X	1	-	-	2	1	1
Potassium Bicarbonate	1	1	-	-	1	-	1	1	-	1	2	2
Potassium Bisulfite	-	1	-	-	-	-	1	1	-	-	-	-
Potassium Bromate	-	-	-	-	-	-	1	-	-	-	-	-
Potassium Bromide	1	1	-	-	1	2	1	1	-	X	X	2
Potassium Carbonate (Potash)	1	1	1	1	1	2	1	1	-	2	1	1
Potassium Chlorate	1	1	-	-	-	2	1	1	-	2	2	2
Potassium Chloride [1% To 5%]	1	1	-	1	-	2	1	1	1	1	2	2
Potassium Chloride [Boiling]	-	-	-	-	-	-	1	-	X	-	2	2
Potassium Cyanide	1	1	-	1	-	-	1	1	-	2	1	1
Potassium Dichromate	1	1	-	1	-	-	1	2	-	1	2	2
Potassium Ferrocyanide	-	-	-	-	-	-	1	-	-	2	1	1
Potassium Fluoride	-	-	-	-	-	-	1	-	-	-	-	-
Potassium Hydroxide	2	2	-	-	-	-	1	-	-	1	1	1
Potassium Hydroxide [5%]	1	1	-	-	-	-	1	1	1	2	2	2
Potassium Hydroxide [27% Boiling]	-	-	-	-	-	-	1	-	X	2	2	1

\*\*Nitrile 150°F or less, no constant contact.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters			
	Trade Names											
	A	C	C <sub>2</sub>	J	M	U	T	Z				
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316
Chemical Name												
Potassium Hydroxide (30%, Caustic Potash)	-	-	-	1	-	-	1	-	-	-	-	-
Potassium Hydroxide (50% Boiling)	-	-	-	-	-	-	1	-	X	2	2	2
Potassium Hydroxide [70%]	-	1	-	-	-	-	1	-	-	-	-	X
Potassium Hydroxide [70% Hot]	-	-	-	-	-	-	1	-	X	X	-	X
Potassium Iodide	1	1	-	-	1	-	1	1	-	1	2	2
Potassium Nitrate	1	1	-	1	-	1	1	1	-	1	1	2
Potassium Nitrate [1% To 5%]	1	1	-	-	-	-	1	-	-	1	1	1
Potassium Permanganate (50% Boiling)	1	2	-	-	-	-	1	2	-	1	2	2
Potassium Permanganate [5%]	1	1	-	-	-	-	1	1	-	1	1	1
Potassium Persulfate	-	-	-	-	-	-	1	-	-	-	-	-
Potassium Phosphate	1	-	-	-	1	-	1	-	-	X	2	2
Potassium Sulfate	1	1	-	1	-	1	1	1	-	1	2	2
Potassium Sulfate - 1% & 5%	1	1	-	-	-	-	1	1	1	1	1	1
Potassium Sulfide	1	1	-	-	-	-	1	-	-	2	2	2
Potassium Sulfite	1	1	-	1	-	-	1	-	-	1	1	1
Potassium Thiosulfate	1	-	-	-	1	-	1	-	-	-	-	-
Primatol A, S, P [Ag Spray]	-	-	-	-	-	-	1	-	-	-	-	-
Propane Gas	X	X	-	-	-	X	1	-	X	1	1	1
Propionic Acid	X	X	-	-	-	-	1	-	1	1	-	2
Propyl Acetate	X	X	-	2	-	-	1	-	-	1	-	-
Propyl Alcohol	1	1	2	1	-	X	1	1	1	1	1	1
Propylene (Liquid Or Gas, Ambient)	X	X	-	1	-	-	1	2	-	1	1	1
Propylene Dichloride	-	-	-	-	-	-	1	-	-	1	2	1
Propylene Glycol	1	1	-	1	1	1	1	2	1	1	1	1
Propylene Oxide	X	X	-	-	-	-	-	-	-	2	1	1
Purina Insecticide	X	X	-	-	-	-	1	2	-	1	1	1
Puropale RX Oils	-	1	-	-	-	2	1	1	-	1	1	1
Pyranol, Transformer Oil	2	1	-	-	-	-	1	-	-	1	1	1
Pydraul	X	X	-	-	-	-	1	-	-	-	-	-
Pydraul 10E, 29E-LT, 30E, 60, 65E, 115E	X	X	-	2	-	-	1	-	-	1	1	1
Pydraul 135	-	X	-	2	-	-	1	2	-	1	1	1
Pydraul 150	X	X	X	2	X	2	1	2	-	1	1	1
Pydraul 280	X	X	X	2	X	2	1	2	-	1	1	1
Pydraul 312	X	X	X	2	-	2	1	1	-	1	1	1
Pydraul 50E	-	-	-	2	-	2	1	1	-	1	1	1
Pydraul 540	X	X	X	2	X	X	1	X	-	1	1	1
Pydraul 625	X	X	X	2	X	2	1	2	-	1	1	1
Pydraul A-200	X	X	X	2	X	X	1	2	-	1	1	1
Pydraul F-9	X	X	X	2	X	2	1	1	-	1	1	1
Pyridine (50%)	X	X	-	-	X	1	1	-	-	1	1	1
Pyrogard 160, 230, 630	-	-	-	-	-	-	1	-	-	1	1	1
Pyrogard 51, 53, 55	-	X	-	-	-	-	1	-	-	1	1	1
Pyrogard C, D	-	1	-	-	-	2	1	1	-	1	1	1
Q												
Quench Oil	2	2	-	-	-	-	1	-	-	-	1	1
Quintolubric 822	2	1	-	-	-	-	1	-	-	1	1	1
R												
Ramrod (Ag Spray)	-	-	-	-	-	-	1	1	-	1	1	1
Rando Oils	-	1	-	-	-	-	2	1	1	1	1	1
Rape Seed Oil	2	X	-	-	X	-	1	2	1	1	1	1
Red Oil [Comm. Oleic Acid, MIL-H-5606]	2	2	2	1	2	-	1	1	2	2	2	1
Refined Wax (Petroleum)	2	1	2	-	-	-	2	1	1	1	1	1
Regal Oils R&O	-	1	-	-	-	-	2	1	1	1	1	1
Richfield Weed Killer	X	2	-	-	X	-	1	-	-	-	-	-

# Chemical Resistance Table – Continued

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters					
	Trade Names								Carbon Steel Stainless Steel 304 Stainless Steel 316 Aluminum Brass					
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon					MegaTuff	
Chemical Name														
Round Up	2	2	-	-	-	-	1	1	-	2	1	1	1	1
Rubilene Oils	-	1	-	-	-	2	1	1	-	-	-	-	-	-
S														
Salicylic Acid	1	X	-	-	-	-	1	1	1	1	1	1	2	-
Salt Water [Sea Water]	2	2	2	-	2	1	1	1	-	2	1	1	X	2
Santosafe W-G15, W-G20, W-G30	-	1	-	-	-	2	1	1	-	1	1	1	1	1
Santo Safe 300	X	X	-	-	-	-	1	-	-	1	1	1	1	-
Sevin	-	-	-	-	-	-	1	1	-	-	-	-	-	-
Sewage	2	2	2	1	2	-	1	1	1	X	1	1	2	1
SFR Fluid B (Shell)	-	X	-	-	-	-	1	-	-	-	-	-	-	-
SFR Fluid C (Shell)	-	X	-	-	-	-	1	-	-	-	-	-	-	-
Shellac	2	1	-	-	-	-	1	1	x	1	1	1	1	-
Shellac [Bleached]	2	1	-	-	-	-	1	1	x	1	1	1	1	2
Shellac [Orange]	2	1	-	-	-	-	1	1	x	1	1	1	1	2
Silicone Greases	2	2	2	-	2	-	1	1	-	1	1	1	1	1
Silicone Oils	2	2	2	-	2	-	1	1	-	1	1	1	1	1
Silver Cyanide	1	-	-	-	-	-	1	-	-	1	1	1	X	-
Silver Nitrate	1	1	1	1	1	-	1	1	-	2	1	1	1	2
Skydrol 500A6 7000	X	X	X	2	X	-	1	1	-	1	1	1	1	-
Soap Oil	X	X	-	X	-	1	-	2	-	1	1	1	-	-
Soap Solutions	2	1	2	1	1	1	1	1	1	1	1	1	1	1
Soda Ash [Sodium Carbonate]	1	1	1	1	1	1	1	1	-	1	1	1	X	2
Soda Water	-	-	-	-	-	1	1	1	-	-	-	-	-	-
Sodium Acetate	X	X	X	1	X	2	1	1	-	1	1	1	1	1
Sodium Benzoate	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Sodium Bicarbonate	1	1	1	1	1	1	1	1	-	2	1	1	2	2
Sodium Bisulfate [Niter Cake]	1	1	1	1	1	1	1	1	-	X	2	1	X	X
Sodium Bisulfite	1	1	1	1	1	1	1	1	-	2	1	1	2	-
Sodium Borate	1	1	1	1	1	1	1	1	-	1	1	1	-	-
Sodium Carbonate	1	1	1	1	1	1	1	1	-	2	2	2	X	2
Sodium Chlorate	2	1	-	-	1	1	1	1	-	2	2	2	X	-
Sodium Chloride	1	1	1	1	1	1	1	1	1	2	2	1	X	X
Sodium Chloride - 2%	1	1	-	-	-	-	1	1	1	2	2	1	X	X
Sodium Chloride - 5%	1	1	-	-	-	-	1	1	1	-	2	1	X	X
Sodium Chloride - 5% @ 150° F	1	1	-	-	-	-	1	1	1	-	2	1	-	X
Sodium Chloride Saturated	1	1	-	-	-	-	1	1	1	-	1	1	X	-
Sodium Chloride Saturated [Boiling]	-	-	-	-	-	-	1	-	x	-	2	1	X	-
Sodium Chloride Slurry	-	-	-	-	-	-	1	-	1	-	-	-	-	-
Sodium Cyanide	1	1	1	1	1	1	1	1	-	2	1	1	X	X
Sodium Dichromate	2	1	-	1	2	1	1	1	-	-	-	-	-	-
Sodium Ferricyanide	-	-	-	-	-	-	1	-	-	2	2	2	-	-
Sodium Ferrocyanide	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Sodium Fluoride	-	1	-	-	-	-	1	-	1	2	2	2	-	-
Sodium Fluoride [5%]	-	1	-	-	-	-	1	1	1	2	2	2	-	-
Sodium Fluoride [70%]	-	-	-	-	-	-	1	1	-	-	-	2	-	-
Sodium Hydrosulfide	1	X	-	-	-	-	1	-	-	-	-	-	-	-
Sodium Hydrosulfite	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Sodium Hydroxide	2	2	-	-	-	-	1	-	-	2	-	-	-	X
Sodium Hydroxide [3 Molar]	2	2	-	-	-	-	1	-	1	-	-	-	-	X
Sodium Hydroxide [10%]	-	-	-	1	-	-	1	-	1	-	-	-	-	-
Sodium Hydroxide [20% Cold]	1	2	-	-	-	-	1	1	1	1	1	1	X	X
Sodium Hydroxide [20% Hot]	1	X	-	-	-	-	1	-	-	2	1	1	X	X
Sodium Hydroxide [40%]	1	2	2	1	1	-	1	2	1	2	1	1	X	X
Sodium Hydroxide [50% Cold]	2	X	X	1	1	-	1	2	1	2	2	2	X	X
Sodium Hydroxide [50% Hot]	-	-	-	1	2	-	1	X	-	X	2	2	X	X
Sodium Hydroxide [60%]	2	X	X	1	2	-	1	X	2	X	2	2	X	X
Sodium Hydroxide [70% Cold]	1	2	-	-	-	-	1	-	2	-	-	2	X	X
Sodium Hydroxide [70% Hot]	-	-	-	-	-	-	1	-	x	-	-	-	-	-

\*\*Nitrile 150°F or less, no constant contact.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters					
	Trade Names													
	A	C	C <sub>2</sub>	J	M	U	T	Z						
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316	Aluminum	Brass
Chemical Name														
Sodium Hydroxide [80% Hot]	1	X	-	-	-	1	-	X	-	X	X	X	X	X
Sodium Hypochlorite	1	X	-	-	-	1	-	1	-	X	X	X	X	-
Sodium Hypochlorite, 5%	-	X	X	1	1	X	1	1	1	X	X	2	X	X
Sodium Hypochlorite, 20%	X	X	X	1	1	X	1	2	1	X	X	2	X	X
Sodium Hyposulfate	X	-	-	-	-	1	-	-	-	X	1	1	X	-
Sodium Metaphosphate	2	2	2	1	2	-	1	1	-	X	1	1	1	X
Sodium Nitrate	X	X	-	1	2	1	1	1	-	1	2	2	2	2
Sodium Perborate	X	X	-	-	X	-	1	2	-	X	1	1	1	X
Sodium Peroxide														
[Sodium Dioxide]	1	2	1	2	1	-	1	X	2	X	1	1	1	X
Sodium Phosphate	X	1	-	1	-	1	1	1	-	2	1	1	X	X
Sodium Phosphate [Mono]	1	1	-	-	-	1	-	-	-	-	-	-	-	-
Sodium Phosphate [Dibasic]	2	1	-	-	-	1	-	-	-	-	-	-	-	-
Sodium Phosphate [Tribasic]	2	1	-	-	-	1	-	-	-	2	2	2	-	-
Sodium Silicate	1	1	-	1	1	2	1	1	-	1	1	1	-	1
Sodium Silicate [Hot]	1	1	-	-	-	1	-	-	-	2	2	2	X	X
Sodium Sulfate	1	1	-	1	1	1	1	1	-	2	1	1	-	2
Sodium Sulfide	1	1	-	1	1	1	1	1	-	X	X	2	X	X
Soium Sulfide, Saturated	1	1	-	-	-	1	1	-	-	2	2	1	X	X
Sodium Sulfite	2	2	2	1	2	1	1	2	-	1	1	1	-	X
Sodium Sulfite, 5%	1	1	-	-	-	1	-	-	-	1	1	1	1	-
Sodium Sulfite, 10% @ 150° F	1	1	-	-	-	1	-	-	-	2	2	2	2	-
Sodium Thiosulfate														
[HPO, An tich ior]	1	1	1	1	1	1	1	1	-	X	1	1	2	X
Sodium Tripolyphosphate														
[STPP]	-	-	-	-	-	1	-	-	-	-	1	1	X	X
Solnus Oils	-	1	-	-	-	2	1	1	-	1	1	1	1	1
Sour Crude Oil	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Soybean Oil	2	2	2	-	2	-	1	1	1	1	1	1	1	-
Spent Acid	-	-	-	2	-	1	-	2	-	-	1	1	-	-
Stannic Chloride	X	2	2	1	X	-	1	X	-	X	X	X	X	X
Stannic Chloride, 50%	X	1	-	-	-	1	-	-	-	X	X	X	X	-
Stannous Chloride														
[Under 150°F]	1	1	-	1	1	-	1	X	-	-	X	2	X	-
Stannous Chloride, 15%	1	1	-	-	-	1	-	-	-	X	X	-	X	-
Starch	2	2	-	-	1	1	1	1	-	X	1	1	1	-
Steam	USE STEAM HOSE									1	1	1	-	2
Stearic Acid	2	2	2	1	2	1	1	1	1	X	2	1	X	X
Stearin	-	-	-	-	1	1	2	-	-	-	-	-	-	-
Stoddard Solvent	2	2	X	1	-	X	1	1	-	2	1	1	1	1
Styrene [Vinyl Benzene]	X	X	-	-	-	1	1	-	-	1	1	1	1	1
Styrene [Monomer]	-	X	-	2	-	1	2	-	-	2	X	2	X	2
Sucrose Solutions	1	1	1	-	1	-	1	-	-	1	1	1	-	-
Sulfamic Acid														
[10%, Under 170°F]	-	-	-	1	2	-	1	-	1	-	-	-	-	-
Sulfate Black Liquor	1	1	-	-	-	1	1	-	-	2	2	2	X	-
Sulfate Green Liquor	1	1	-	-	-	1	1	-	-	2	2	2	X	-
Sulfur	-	-	-	-	-	-	-	-	X	-	-	-	-	-
Sulfur [Molten]	X	X	-	-	-	-	-	-	X	-	-	-	-	-
Sulfur Chloride	X	X	X	-	2	-	1	2	-	X	X	2	X	X
Sulfur Dioxide [Moist]	2	X	-	-	2	-	1	1	1	-	2	1	1	X
Sulfur Dioxide [Dry]	X	X	X	-	2	-	1	X	1	2	1	1	1	1
Sulfur Dioxide [Liquid]	2	X	-	-	2	-	1	-	-	-	-	-	-	-
Sulfur Hexafluoride [Gas]	1	2	-	-	2	-	1	X	-	-	-	-	-	-
Sulfur Trioxide [Dry]	X	X	X	X	X	-	1	1	-	2	2	2	2	X
Sulfuric Acid, 85%	X	X	-	-	-	1	-	1	-	X	2	1	X	-
Sulfuric Acid, 3 Molar	X	X	-	-	-	1	-	1	-	-	-	-	-	-
Sulfuric Acid, Aerated, No Velocity	-	-	-	-	-	1	-	1	-	2	2	2	X	-

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

# Chemical Resistance Table – Continued

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

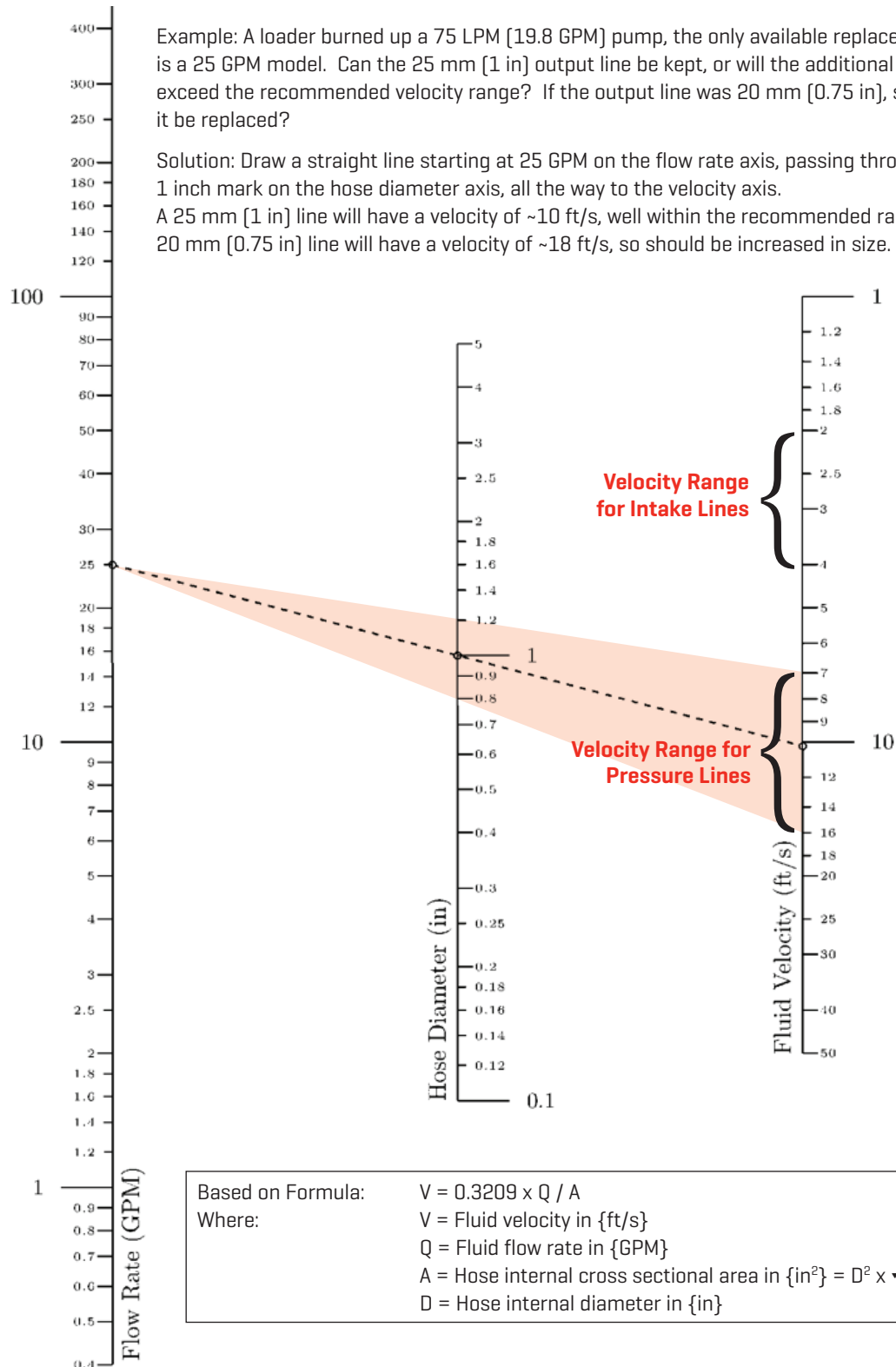
Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters			
	Trade Names											
	A	C	C <sub>2</sub>	J	M	U	T	Z				
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316
Chemical Name												
Sulfuric Acid, Air Free	-	-	-	-	-	1	-	1	X	X	2	X
No Velocity	-	-	-	-	-	1	-	1	X	X	2	X
Sulfuric Acid, Concentrated	X	X	-	-	-	1	-	1	-	1	1	-
Sulfuric Acid, Fuming, Oleum	X	-	-	-	-	1	-	1	-	2	1	2
Sulfuric Acid [10%]	1	2	2	1	1	-	1	X	x	-	X	2
Sulfuric Acid [30%]	1	-	-	1	1	-	1	X	1	X	X	2
Sulfuric Acid [50%]	2	X	X	1	1	-	1	X	1	X	X	2
Sulfuric Acid [75%]	X	X	X	-	2	-	1	X	1	X	X	2
Sulfuric Acid [93%]	X	X	X	-	X	-	1	X	1	2	X	2
Sulfuric Acid [98%]	X	X	X	X	X	-	1	X	1	2	X	2
Sulfurous Acid	2	2	-	-	-	1	X	1	X	X	2	2
Sulfurous Acid [10%]	-	X	-	1	1	-	1	-	-	X	2	1
Sulfurous Acid [75%]	X	X	X	1	1	-	1	X	1	X	X	2
Sun R&O Oils	-	1	-	-	-	2	1	1	-	1	1	1
Sunsafe												
[Fire Resist. Hydr. Fluid]	2	1	-	-	-	2	1	1	-	1	1	1
Suntac HPOils	-	1	-	-	-	2	1	1	-	1	-	1
Suntac WR Oils	-	1	-	-	-	2	1	1	-	1	-	1
Sunvis Oils 700, 800, 900	-	1	-	-	-	2	1	1	-	1	1	1
Super Hydraulic Oils [Conoco]	-	1	-	-	-	2	1	1	-	1	1	1
Sutan Plus, Herbicide	X	X	X	1	-	-	-	1	-	1	1	1
Sutazine Plus, Herbicide	X	X	-	1	-	-	-	1	-	X	1	1
Synthetic Oil [Citgo]	-	-	-	-	-	2	-	1	-	1	1	1
Syrup	2	1	2	-	-	-	1	1	-	-	1	1
<b>T</b>												
Tall Oil [Under 150°F]	2	2	2	-	X	-	1	-	-	2	X	2
Tallow	2	2	2	-	-	-	1	1	-	2	2	2
Tannic Acid [10%]	2	X	-	1	2	-	1	X	1	2	1	2
Tar And Tar Oil	2	-	-	-	-	2	1	1	-	1	1	1
Tar [Bituminous, Under 100°F]	2	2	2	X	-	-	1	-	1	1	1	1
Tartaric Acid	2	2	2	1	1	-	1	1	1	X	2	2
Tellus Oils	-	1	-	-	-	2	1	1	-	1	1	1
Tenol Oils	-	1	-	-	-	2	1	1	-	1	1	1
Tergitol	-	-	-	-	-	-	1	-	-	2	1	1
Terpineol	X	2	-	1	2	-	1	2	-	-	-	-
Terresstic	-	1	-	-	-	-	-	1	-	1	1	1
Tetraethyl Lead	2	2	-	-	-	-	1	2	-	-	-	-
Tetraethyl Lead Blend	X	2	-	-	-	-	1	-	-	-	-	-
Tetrahydrofuran (THF)	X	X	-	-	X	2	1	1	-	2	-	-
Tetralin	X	X	-	-	X	-	1	2	-	1	1	1
Thiopen	X	X	-	-	-	-	1	-	-	-	-	-
Titanium Tetrachloride	X	X	X	-	-	-	1	-	-	1	2	2
Toluene [Toluol]	X	X	X	X	X	-	1	1	2	1	1	1
Toluene Diisocyanate												
[Under 150°F]	X	-	-	-	-	-	1	-	1	1	1	-
Transformer Oil [Askarel Types]	X	X	X	1	X	-	1	-	2	1	1	1
Transformer Oil [Petroleum Type]	2	1	2	1	X	2	1	1	-	1	1	1
Transmission Fluid, Type A	2	1	2	1	2	-	1	2	-	1	1	1
Tributoxyethyl Phosphate	X	X	X	X	X	-	1	2	x	1	-	X
Tributyl Phosphate	X	X	X	2	X	-	1	-	x	1	-	X
Trichloroethylene	X	X	X	2	X	-	1	2	x	X	2	1
Trichloromonofluoroethane [Freon 17]										1	1	1
Trichlorotrifluoroethane [Freon 113]										1	1	1
Tricresyl Phosphate	X	X	X	1	X	-	1	1	x	1	2	2
Triethanolamine (TEA)	2	2	-	1	2	-	1	1	-	1	1	1
Tripolyphosphate (STPP)	X	1	-	-	-	-	1	-	-	-	2	1

\*\*Nitrile 150°F or less, no constant contact.

Rating Scale: 1 Excellent 2 Good resistance X Not recommended - Testing recommended [ ] Cover stock rating only; Rating for tube stock "X" * Use Gates fuel hose or contact Denver Product Application Department	Gates Hose Polymers								Couplings & Adapters			
	Trade Names											
	A	C	C <sub>2</sub>	J	M	U	T	Z				
	Polychloroprene	Nitrile	Nitrile/PVC	CPE	CSM	[Urethane]	PTFE	Nylon	MegaTuff	Carbon Steel	Stainless Steel 304	Stainless Steel 316
Chemical Name												
Tung Oil	2	2	-	-	2	-	1	1	-	1	1	1
Turpentine	X	2	-	2	X	1	1	1	1	X	1	1
Type I Fuel [MIL-S-3136]												
ASTM Fuel A	2	1	-	-	-	-	1	-	-	1	1	1
Type II Fuel [MIL-S-3136]	X	2	-	-	-	-	1	-	-	1	1	1
Type III Fuel [MIL-S-3136]												
ASTM Fuel B	X	1	-	-	-	-	1	-	-	1	1	1
<b>U</b>												
Ucon Hydrolube Types 150CP, 200CP	-	1	-	-	-	2	1	1	-	1	1	1
Ucon Hydrolube Types 275CP, 300CP, 550CP	-	-	-	-	-	-	1	-	-	-	-	-
Ucon M1	-	1	-	-	-	2	1	1	-	1	1	1
Union ATF Dexron	-	1	-	-	-	2	1	1	-	1	1	1
Union ATF Type F	-	1	-	-	-	2	1	1	-	1	1	1
Union C-2 Fluid	-	1	-	-	-	2	1	1	-	1	1	1
Union C-POil	-	1	-	-	-	2	1	1	-	1	1	1
Union Hydraulic Oil AW	-	1	-	-	-	2	1	1	-	1	1	1
Union Hydraulic Tractor Fluid	-	1	-	-	-	2	1	1	-	1	1	1
Urea Solution	1	2	-	1	1	2	1	1	1	1	1	2
<b>V</b>												
Varnish	X	X	X	-	X	-	1	1	-	2	1	1
Vegetable Oils	2	1	2	1	-	2	1	1	1	1	1	1
Vegetable Oil [Hot]	-	-	-	-	-	-	1	1	-	2	2	2
Versilube	1	1	-	-	-	-	1	-	-	1	1	1
Versilube F-50, F-44	2	2	2	-	2	2	1	1	-	1	1	1
Vinegar	2	X	X	2	X	-	1	1	-	X	2	1
Vinyl Acetate	X	X	X	1	X	-	1	-	x	2	1	2
Vinyl Chloride												
[Chloroethylene, Monomer]	X	X	X	X	X	-	1	-	-	2	1	2
Vitrea Oils	X	X	X	-	-	2	1	1	-	1	1	1
<b>W</b>												
Water	1	1	1	1	1	1	1	1	1	2	1	1
Water, Acid Mine	2	X	-	-	-	-	1	1	-	X	2	2
Water, Brine	2	2	-	-	1	1	1	1	-	X	2	2
Water Deionized, [Deminerlized]	-	-	-	-	-	-	1	-	1	-	-	-
Water, Distilled	2	1	-	-	1	1	1	1	1	X	1	1
Water, Fresh	1	1	-	-	-	-	1	1	1	X	1	1
Water In Oil Emulsions	-	-	-	-	-	2	1	1	-	-	-	-
Water, Potable												
[FDA Tube Only]										Use FDAHose Only	-	-
Water, Salt	2	1	-	-	-	-	1	1	-	X	2	2
White & Bagley No. 2190												
Cutting Oil	2	1	-	-	-	-	1	-	-	-	-	-
Wines	2	1	1	1	1	-	1	1	-	2	2	2
Wood Oil	2	1	-	1	2	1	1	1	-	1	1	1
<b>X</b>												
Xylene	X	1	-	X	-	2	1	X	2	2	2	2
<b>Z</b>												
Zeric	-	1	-	-	-	2	1	2	1	-	-	-
Zinc Acetate	2	X	-	-	X	-	1	2	1	1	1	1
Zinc Chloride Solutions	1	1	1	1	1	-	1	1	1	X	2	1
Zinc Chromate	-	-	-	1	1	-	1	-	1	-	1	1
Zinc Hydrate	-	-	-	-	-	2	1	-	-	-	-	-
Zinc Sulfate Solutions	2	2	2	1	2	-	1	2	1	X	2	1

# Nomographic Chart

## FLOW CAPACITY OF HOSE ASSEMBLIES AT RECOMMENDED FLOW VELOCITIES



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## Properties of C14 PTFE Tube

HOSE	
HOSE/CPLG. SELECTION	
G8K COUPLINGS	Tensile Strength, 73°F [23°C] 1500-3000 Lb./Sq. In.
GLOBAL SPIRAL COUPLINGS	Elongation, 73°F [23°C] 100-200%
PCM / PCS FERRULES	Stiffness, 73°F [23°C] 60,000 Lb./Sq. In.
MEGACRIMP COUPLINGS	Impact Strength @70°F [21°C] 2.0 Ft.-Lb./In.
STAINLESS STEEL	@73°F [23°C] 3.5 Ft.-Lb./In.
POWER CRIMP COUPLINGS	@170°F [77°C] 6.0 Ft.-Lb./In.
LOC, GL AND GLP COUPLINGS	Hardness, Durometer D55-D70 Shore D
POLARSEAL COUPLINGS	Compressive Stress at
POLARSEAL II COUPLINGS	1% Deformation @73°F [23°C] 600 Lb./Sq. In.
C14 COUPLINGS	1% Offset @73°F [23°C] 1000 Lb./Sq. In.
PCTS THERMOPLASTIC COUPLINGS	Deformation Under Load, 24 Hrs. @ 122°F [50°C]
FIELD ATTACHABLE G1 & G2 COUPLINGS	1200 Lb./Sq. In. 4-8%
FIELD ATTACHABLE C5 & C5E COUPLINGS	2000 Lb./Sq. In. 25%
SURELOK AIR BRAKE COUPLINGS	Heat-Distortion Temperature @66 Lb./Sq. In. 250°F [121°C]
ADAPTERS	Coefficient of Linear Thermal Expansion per °F; 77-140°F [25-60°C] $5.5 \times 10^{-5}$
QUICK DISCONNECT COUPLERS	Thermal Conductivity 0.18 In. 1.7 B.T.U./Hr./Sq.Ft./°F/In.
LIVE SWIVEL	Specific Heat 0.25 B.T.U./Lb./°F
BALL VALVES	Water Absorption 0.0%
ACCESSORIES	Flammability Nonflammable
EQUIPMENT AND PARTS	Specific Gravity 2.1-2.3

## Electrostatic Discharge

Most applications of PTFE hose do not require the use of a conductive inner tube. Under certain applications, the potential for Static Discharge must be considered. Be aware that static electricity can be a hazard. Under those conditions where static discharge can occur, the use of conductive Gates C14CT hose is recommended. The following should serve to increase your knowledge and understanding of this phenomenon and how to avoid its occurrence:

When two different materials contact each other, electrons from one material can move across its boundary and associate with the other. These electrons align themselves with the material contacted. If the two materials are good conductors of electricity, the positive and negative electrons flow back and forth between them, keeping them in balance. If one or both are insulators, the flow will not occur. A charge will then build up on the surface of one of the materials. When the charge exceeds the electric strength of the material, electric breakdown results.

In applying this to PTFE hose, we have to consider fluids and gases that are poor conductors of electricity and the flow rates of those fluids and gases. In order for a liquid or gas to be a poor electrical conductor, it will generally satisfy one or both of the following conditions:

1. Be nonpolar; that is, an imbalance between protons and electrons, and/or
2. Contain a nonmixable component or a suspended solid; such as water in kerosene.

So when a liquid contacts a PTFE tube that isn't a good conductor [white PTFE innercore], the result is phase separation and the electric charge starts to build. The rate at which static electricity builds up now becomes a function of the fluid flow rate. When the electric strength of the PTFE tube is exceeded, the electric charge will puncture the tube wall and ground itself on the stainless steel braid of the hose.

In hydraulics, high pressures generally mean high velocities. Historically, fluids were filtered upstream of the hose using metallic filter elements. The metallic element helped to ground the charge. But, today, most filtration is done with paper-type and glass-fiber filter elements that have a tendency to inject an electrostatic charge into the fluid they are filtering.

**Steam and fuels are two specific areas of concern. No hose in this catalog can or should be used in steam applications. Contact Gates Product Application for proper hose recommendation.**

Fuels [i.e. gasoline and white spirits, hydrazine, benzene, diesel oils, etc.] are, for the most part, "nonconductive" liquids. These fluids usually are transferred at fairly low velocities, but there still is a potential for an electrostatic discharge due to external factors, such as humidity and, to some extent, temperature. You should take all of these factors into account even at fluid velocities at or below 1 meter per second.

When using PTFE hose, you can offset the potential hazard of electrostatic discharge by using a conductive Gates C14CT hose. Carbon is added to the PTFE inner tube wall during manufacture. The carbon layer directs the electrostatic charge down the inner diameter of the hose to the metal end fittings. This prevents the charge from building up on the inner tube wall.

So, it's important to examine any application where nonconductive fluids are used and any of the above conditions exist. This section is not meant to cover all conditions or situations when they involve fuels, steam or other media which may cause electrostatic buildup or potential discharge. If you need help on any individual application, contact Hose/Connector Product Application, Denver.

Following is a list of some of the chemicals that meet at least one of the criteria necessary to create electrostatic discharge:

- |                      |                     |
|----------------------|---------------------|
| > Cyclohexane        | > Lacquer Solvents  |
| > Decalin            | > Naphtha           |
| > Diacetone          | > Naphthalene       |
| > Dibutyl Ether      | > Octane            |
| > Dibutyl Phthalate  | > Paint             |
| > Dibutyl Sebacate   | > Petroleum         |
| > Dimethyl Phthalate | > Pinene            |
| > Dioctyl Phthalate  | > Silicone Oils     |
| > Dipentene          | > Skydrol 500 & 700 |
| > Fuel Oil           | > Steam             |
| > Gasoline           | > Toluene           |
| > Hexane             | > Transformer Oil   |
| > Hexene             | > Turpentine        |
| > Hydrazine          | > Varnish           |
| > Kerosene           | > Versilube         |
| > Lacquers           |                     |

**General Industry Practice has identified the above fluids as requiring a conductive hose—Gates C14CT.**

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Effusion/Corrosion for PTFE Hose and Hose Assemblies

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## WHAT IS EFFUSION?

It is the process where chemical molecules move through the PTFE wall and escape from a hose or hose assembly. It is sometimes called permeation. The rate at which effusion occurs depends upon temperature, pressure, wall thickness and the hose material.

The fact that effusion occurs isn't the problem. This process will happen with most all media in most hose material.

### The basic issues are:

1. At what rate will effusion occur?
2. How hazardous are the media?
3. In what kind of environment does effusion take place; closed room, outside, etc.?

## GENERAL MEDIA CONCERNS REGARDING THE POTENTIAL EFFECTS OF EFFUSION:

- > Media where corrosion is not of concern, but effusion may displace the air we breathe, thus becoming a hazard to personnel.

Some of the chemicals in this category are:

- > Carbon Dioxide
- > Nitrogen
- > Steam
- > Oxygen
- > Helium
- > Neon
- > Argon
- > Xenon
- > Krypton

- > Media that can effuse in their "vapor phase"; i.e., their boiling point is below approximately +125°F [+52°C] at atmospheric pressure. These media can form chemicals that can corrode the braid and/or cause injury to personnel.

### Some of these include:

- > Acetaldehyde [Flammable, Toxic]
- > Benzene [Flammable, Toxic]
- > Liquid Butane [Flammable]
- > Carbon Disulfide [Flammable, Toxic]
- > Diethyl Ether [Flammable, Narcotic]
- > Ethyl Mercaptan [Flammable, Toxic]
- > Hydrochloric Acid [Corrosive, Toxic]
- > Lacquer Solvents [Flammable]
- > Methyl Bromide [Flammable, Toxic, Corrosive]

- > Methylene Chloride [Toxic]
- > Methyl Formate [Flammable, toxic]
- > Liquid Propane [Flammable]
- > Sulphur Trioxide [Corrosive, toxic]
- > Liquid Chlorine [Corrosive, toxic]

- > Media with the potential to effuse and cause corrosion of the braid reinforcement and fitting materials. These chemicals are all gases while at atmospheric pressure and a temperature of +56°F [+13°C] or lower.

### Some of these chemicals are:

- > Acetylene [Flammable]
- > Butadiene [Flammable]
- > Butane Gas [Flammable]
- > Carbon Monoxide [Toxic, Flammable]
- > Chlorine [Toxic, Corrosive]
- > Chlorine Trifluoride [Toxic, Corrosive]
- > Ethyl Chloride [Toxic, Corrosive]
- > Hydrogen [Flammable]
- > Hydrogen Chloride [Corrosive, Toxic]
- > Hydrogen Sulfide [Flammable, Toxic]
- > Hydrocyanic Acid [Flammable, Toxic]
- > Hydrogen Cyanide [Flammable, Toxic]
- > Coke Oven Gas [Flammable, Toxic]
- > Natural Gas [Flammable, Toxic]
- > Propane Gas [Flammable]
- > Sulfur Dioxide [Corrosive]
- > Vinyl Chloride Monomer [Toxic, Corrosive]

It is important that hose assemblies used in these applications are installed in well-vented areas to avoid potential problems for personnel and/or equipment.

# Hydraulic System Pressure Drop

## WHAT IS PRESSURE DROP?

Friction is defined as the resistance an object encounters in moving over another. Solids, liquids, and gasses all exhibit friction in their motion. In hose and piping systems the result of this friction is pressure drop and heat generation that may be accurately estimated with engineering models.

## WHY DOES PRESSURE DROP MATTER?

If there is excessive pressure drop in a system pumps, will have to work harder, use more energy, and the working fluid will increase in temperature. Depending on the source of the additional pressure loss it could: raise the whole system pressure, increasing wear and introducing potentially dangers over pressure conditions; render some tools or equipment functions inoperable, because of inadequate operation pressure; or create damaging cavitation and loss of net positive suction head [NPSH].

## WHAT AFFECTS PRESSURE DROP?

The factors which contribute pressure loss may be broken down into two general categories: mechanical components and fluid properties. Mechanical components such as valves, flow meters, quick disconnects, adapters, couplings, tubing, hose, etc., all contribute to pressure loss. The amount of pressure loss in mechanical components is impacted by criteria such as cross sectional area, internal surface roughness, length, bends, and geometric complexity. Fluid properties such as density, viscosity, heat capacity and bulk modulus will also contribute to pressure loss. Fluid properties are impacted by temperature, pressure, contamination, air entrainment, and time.

While all of these components contribute to pressure loss, fluid velocity has the most impact. Fluid velocity is a direct product of flow rate and cross sectional area.

## WHAT CAN BE DONE TO REDUCE PRESSURE DROP?

- > Check system pressure drop when non-identical replacement parts are required or there is ongoing system problems.
- > Use straight adapters and bent couplings whenever possible.
- > Replace worn parts and old fluids.
- > Lower the fluid velocity.

## HOW CAN I CALCULATE PRESSURE DROP FOR A HOSE ASSEMBLY?

With some basic system information reliable pressure drop approximations may be readily calculated. First determine the applicable mechanical components and fluid for the analysis [doing 1 hose assembly at a time is recommended], then enter those values into the Gates online pressure drop calculator. Hose assembly information: Inside Diameter, Length, Couplings, Adapters

**Fluid information:** Density, Viscosity, and Heat Capacity [these may be estimated with fluid type and temperature]

Go to <http://www.gates.com/pressuredrop> to calculate the pressure loss from the system information.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

# Fahrenheit-Celsius Conversion

Look up a temperature reading in the middle column [shaded]. If it's in degrees Centigrade, read the Fahrenheit equivalent in the right-hand column. If it's in degrees Fahrenheit, read the Centigrade equivalent in the left-hand column.

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

C	F/C	F
-68	-90	-130
-62	-80	-112
-57	-70	-94
-51	-60	-76
-46	-50	-58
-40	-40	-40
-34	-30	-22
-29	-20	-4
-23	-10	14
-17.8	0	32
-17.2	1	33.8
-16.7	2	35.6
-16.1	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59.0
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68.0
-6.1	21	69.8
-5.6	22	71.6
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77.0
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2
-1.1	30	86.0
-.6	31	87.8
0	32	89.6
.6	33	91.4
1.1	34	93.2
1.7	35	95.0
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104.0

C	F/C	F
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
7.2	45	113.0
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	120.2
10.0	50	122.0
10.6	51	123.8
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131.0
13.3	56	132.8
13.9	57	134.6
14.4	58	136.4
15.0	59	138.2
15.6	60	140.0
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149.0
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158.0
21.7	71	159.8
22.2	72	161.6
22.8	73	163.4
23.3	74	165.2
23.9	75	167.0
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176.0
27.2	81	177.8
27.8	82	179.6
28.3	83	181.6
28.9	84	183.2
29.4	85	185.0
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194.0
32.8	91	195.8

C	F/C	F
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
43	110	230
49	120	248
54	130	266
60	140	284
66	150	302
71	160	320
77	170	338
82	180	356
88	190	374
93	200	392
99	210	410
100	212	413.6
104	220	428
110	230	446
116	240	464
121	250	482
127	260	500
132	270	518
138	280	536
143	290	554
149	300	572
154	310	590
160	320	608
166	330	626
170	338	640
171	340	644
177	350	662
182	360	680
186	366	691
188	370	698
193	380	716
198	388	730
199	390	734
204	400	752
208	406	763
210	410	770
216	420	788
221	430	806
227	440	824
232	450	842

# Conversions

## PRESSURE CONVERSIONS

### Metric to PSI [1 kPa = .145 psi]

Kilo Pascals [kPa]	Mega Pascals [MPa]	Bar [Bar]	Pounds per Square Inch [psi]
100	0.1	1	14.5
200	0.2	2	29.0
300	0.3	3	43.5
400	0.4	4	58.0
500	0.5	5	72.5
600	0.6	6	87.0
700	0.7	7	101.5
800	0.8	8	116.0
900	0.9	9	130.5
1,000	1.0	10	145.0
2,000	2.0	20	290.1
3,000	3.0	30	435.1
4,000	4.0	40	580.2
5,000	5.0	50	725.2
6,000	6.0	60	870.2
7,000	7.0	70	1,015.3
8,000	8.0	80	1,160.3
9,000	9.0	90	1,305.3
10,000	10	100	1,450
20,000	20	200	2,901
30,000	30	300	4,351
40,000	40	400	5,802
50,000	50	500	7,252
60,000	60	600	8,702
70,000	70	700	10,153
80,000	80	800	11,603
90,000	90	900	13,053
100,000	100	1000	14,504
200,000	200	2000	29,008
300,000	300	3000	43,511

### PSI to Metric [1 psi = 6.89 kPa]

Pounds per Square Inch [psi]	Kilo Pascals [kPa]	Mega Pascals [MPa]	Bar [Bar]
10	68.9	0.07	0.7
20	137.9	0.14	1.4
30	206.8	0.21	2.1
40	275.8	0.28	2.8
50	344.7	0.34	3.4
60	413.7	0.41	4.1
70	482.6	0.48	4.8
80	551.6	0.55	5.5
90	620.5	0.62	6.2
100	689	0.7	6.9
200	1,379	1.4	13.8
300	2,068	2.1	20.7
400	2,758	2.8	27.6
500	3,447	3.4	34.5
600	4,137	4.1	41.4
700	4,826	4.8	48.3
800	5,516	5.5	55.2
900	6,205	6.2	62.1
1,000	6,895	6.9	68.9
2,000	13,790	13.8	137.9
3,000	20,684	20.7	206.8
4,000	27,579	27.6	275.8
5,000	34,474	34.5	344.7
6,000	41,369	41.4	413.7
7,000	48,263	48.3	482.6
8,000	55,158	55.2	551.6
9,000	62,053	62.1	620.5
10,000	68,948	68.9	689
20,000	137,895	137.9	1,379
30,000	206,843	206.8	2,068
40,000	275,790	275.8	2,758

### EXAMPLES

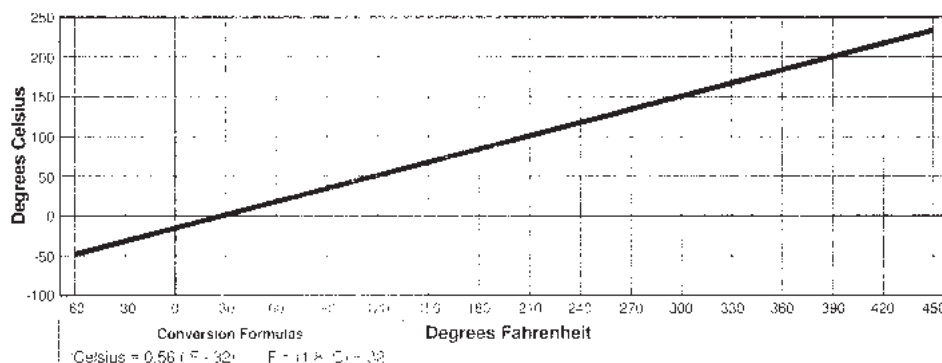
#### [A] Convert 3,429 psi to the equivalent pressure in Bar.

3,000 psi	=	206.8 Bar
+	400 psi	= 27.6 Bar
+	20 psi	= 1.4 Bar
+	9 psi	= .62 Bar
3429 psi		= 236.42 Bar

#### [B] Convert 3,429 psi to the equivalent pressure in MPa.

3,000 psi	=	20.680 MPa
+	400 psi	= 2.760 MPa
+	20 psi	= .140 MPa
+	9 psi	= .062 MPa
3,429 psi		= 23.642 MPa

## FAHRENHEIT-CELSIUS CONVERSION



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



# Conversions – Continued

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
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ADAPTERS
QUICK DISCONNECT COUPLERS
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BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## DECIMAL AND MILLIMETER FRACTION EQUIVALENTS

Inches	Fractions	Decimals	Millimeters	Inches	Fractions	Decimals	Millimeters	Inches	Fractions	Decimals	Millimeters
	1/64	.015625	.397		23/64	.359375	9.128		11/16	.6875	17.463
	1/32	.03125	.794		3/8	.375	9.525		45/64	.703125	17.859
	3/64	.046875	1.191		25/64	.390625	9.922		23/32	.71875	18.256
	1/16	.0625	1.588		13/32	.40625	10.319		47/64	.734375	18.653
	5/64	.078125	1.984		27/64	.421875	10.716		3/4	.750	19.050
	3/32	.09375	2.381		7/16	.4375	11.113		49/64	.765625	19.447
	7/64	.109375	2.778		29/64	.453125	11.509		25/32	.78125	19.844
	1/8	.125	3.175		15/32	.46875	11.906		51/64	.796875	20.241
	9/64	.140625	3.572		31/64	.484375	12.303		13/16	.8125	20.638
	5/32	.15625	3.969		1/2	.500	12.700		53/64	.828125	21.034
	11/64	.171875	4.366		33/64	.515625	13.097		27/32	.84375	21.431
	3/16	.1875	4.763		17/32	.53125	13.494		55/64	.859375	21.828
	13/64	.203125	5.159		35/64	.546875	13.891		7/8	.875	22.225
	7/32	.21875	5.556		9/16	.5625	14.288		57/64	.890625	22.622
	15/64	.234375	5.953		37/64	.578125	14.684		29/32	.90625	23.019
	1/4	.250	6.350		19/32	.59375	15.081		59/64	.921875	23.416
	17/64	.265625	6.747		39/64	.609375	15.478		15/16	.9375	23.813
	9/32	.28125	7.144		5/8	.625	15.875		61/64	.953125	24.209
	19/64	.296875	7.541		41/64	.640625	16.272		31/32	.96875	24.606
	5/16	.3125	7.938		21/32	.65625	16.669		63/64	.984375	25.003
									1	1.000	25.400

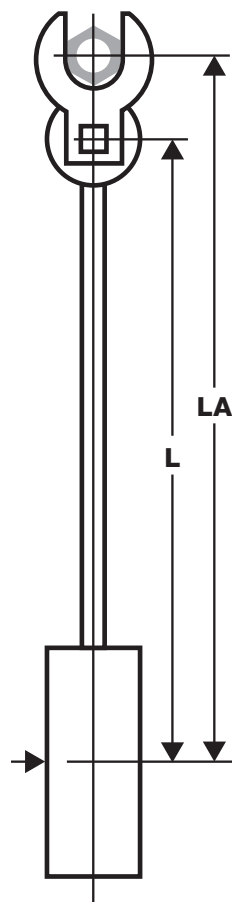
## METRIC (SI) — U.S. UNITS FOR FLUID POWER USE

[The following conversions are based on information taken from ASTM, American Society for Testing and Materials, Handbook E380-72.]

Quantity	Customary U.S. Unit	SI Unit	Conversion from U.S. to SI Units	Conversion from SI to U.S. Units
Area	Square Inch [in <sup>2</sup> ]	Square Metre [m <sup>2</sup> ]	[in <sup>2</sup> ] x [6.4516 x 10 <sup>-4</sup> ] = [m <sup>2</sup> ]	[m <sup>2</sup> ] x 1550.003 = [in <sup>2</sup> ]
Force	Pound [lb <sub>f</sub> ]	Newton [N]	[lb <sub>f</sub> ] x 4.4482 = [N]	[N] x [2.2481 x 10 <sup>-1</sup> ] = [lb <sub>f</sub> ]
Frequency	Cycles/Second [cps]	Hertz [H <sub>z</sub> ]	1 [cps] = 1 [H <sub>z</sub> ]	1 [Hz] = 1 [cps]
Length	Inch [in]	Metre [m]	[in] x [2.540 x 10 <sup>-2</sup> ] = [m]	[m] x 39.370 = [in]
Mass	Pound [lb <sub>m</sub> ]	Kilogram [kg]	[lb <sub>m</sub> ] x .4536 = [kg]	[kg] x 2.2046 = [lb <sub>m</sub> ]
Power	Electric Horsepower [HP]	Watt [W]	[HP] x [7.460 x 10 <sup>2</sup> ] = [W]	[W] x [1.3405 x 10 <sup>-3</sup> ] = [HP]
	Pounds/Sq In [psi]	Newtons/Sq Metre [N/m <sup>2</sup> ]	[psi] x [6.8948 x 10 <sup>3</sup> ] = [N/m <sup>2</sup> ]	[N/m <sup>2</sup> ] x [1.4504 x 10 <sup>-4</sup> ] = [psi]
Pressure	[Non-Preferred Conversions]			
	[psi]	Mega Pascal [MPa]	[psi]/145 = MPa	[MPa] x 145 = [psi]
	[psi]	Bar [Bar]	psi/14.5 = Bar	[Bar] x [1.4504 x 10 <sup>1</sup> ] = [psi]
	[Bar]	[N/m <sup>2</sup> ]	[Bar] x 100,000 = [N/m <sup>2</sup> ]	[N/m <sup>2</sup> ] x [1.00 x 10 <sup>-5</sup> ] = [Bar]
Temperature	Degrees Fahrenheit [°F]	Degrees Celsius [°C]	[°Celsius] = 0.556[°F-32]	[1.8°C] + 32 = °F
Torque	Pound-Inch [lb <sub>f</sub> -in]	Newton-Metres [N-m]	[lb <sub>f</sub> -in] x [1.1298 x 10 <sup>-1</sup> ] = [N-m]	[N-m] x 8.8507 = [lb <sub>f</sub> -in]
	US Gallon [Gal]	Cubic Metre [m <sup>3</sup> ]	[Gal] x [3.7854 x 10 <sup>-3</sup> ] = [m <sup>3</sup> ]	[m <sup>3</sup> ] x [2.6417 x 10 <sup>2</sup> ] = [Gal]
Volume	[Non-Preferred Conversions]			
		Litre [l]	[Gal] x 3.7854 = [l]	[l] x [2.6417 x 10 <sup>-1</sup> ] = [Gal]
Work	Foot-Pound [ft-lb <sub>f</sub> ]	Joule [J]	[ft-lb <sub>f</sub> ] x 1.3558 = [J]	[J] x [7.3756 x 10 <sup>-1</sup> ] = [ft-lb <sub>f</sub> ]

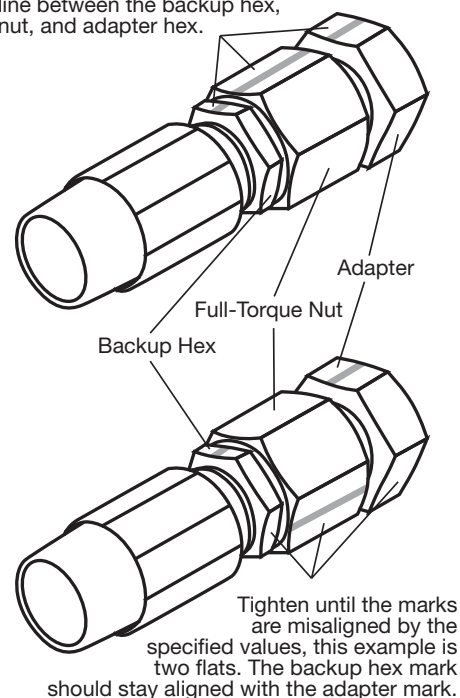
# Tightening and Torque Recommendations for Hydraulic Couplings

1. Determine the correct torque value for your coupling using the manufacturers' recommendations. The minimum torque values are adequate for sealing in most applications; never exceed the maximum torque recommendations. Only use manufacturer specified torque values; do not use SAE recommendations.
2. Calculated the correct torque wrench setting. Wrench Setting = Desired Torque \* L / LA [see Figure 1]
3. Ensure that the seal face and threads are clean and in good condition. O-rings should be lubricated with light oil, but threads should be completely dry unless making a tapered pipe thread connection [interference seal].
4. If the assembly has a male connector on one end, install the male connector first.
5. Hand tighten the connection by bringing seal face in contact and rotating the nut by hand until it stops, approximately 0.3-1 ft-lb.
6. Mark the coupling nut and backup hex with a line for flats method of torque verification.
7. Apply a wrench to the backup hex to prevent the coupling and hose from moving while tightening the nut with a torque wrench. Failure to retain the backup hex during installation can cause hose twisting and will result in additional clamp load force that can cause seal face damage.
8. While keeping the backup hex secure apply the torque wrench to the fitting nut and pull until the proper torque is achieved. The coupling nut must be in motion when the final torque is achieved, otherwise the nut must be loosened and retightened until the torque is attained while the nut is in motion.
9. If a torque wrench cannot fit into the coupling area or if it is unavailable, flats method may be used to ensure that JIC couplings are properly tightened, as shown in figure 2. Checking flats is also a good method of ensuring that critical connections have been properly tightened.



**Figure 1** - Torque wrench adjustment when using a crowfoot wrench. Torque Wrench Setting = Desired Torque \* L / LA

Once hand tight, mark a straight line between the backup hex, nut, and adapter hex.



**Figure 2** - Flats method of verifying coupling torque.

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
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ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

# Coupling and Adapter Installation Torque Recommendations

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

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COUPLINGS

POLARSEAL  
COUPLINGS

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FIELD  
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COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
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COUPLERS

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EQUIPMENT AND  
PARTS

## JIC, SAE 45°, ORFS, O-RING BOSS, GATES ADAPTERLESS, & MEGASEAL®

Dash Size	JIC 37°, SAE 45° & MegaSeal [Steel]		JIC 37°, SAE 45° & MegaSeal [Brass]		Flat Face O-Ring Seal [Steel]		SAE O-Ring Boss [Steel] & Gates Adapterless ≤ 4000 PSI		SAE O-Ring Boss [Steel] & Gates Adapterless > 4000 PSI	
1/16 inch	ft-lb		ft-lb		ft-lb		ft-lb		ft-lb	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
-3								8	10	
-4	10	11	5	6	10	12	14	16	14	16
-5	13	15	7	9					18	20
-6	17	19	12	15	18	20	24	26	24	26
-8	34	38	20	24	32	40	37	44	50	60
-10	50	56	34	40	46	56	50	60	72	80
-12	70	78	53	60	65	80	75	83	125	135
-14					65	80			160	180
-16	94	104	74	82	92	105	111	125	200	220
-20	124	138	75	83	125	140	133	152	210	280
-24	156	173	79	87	150	180	156	184	270	360
-32	219	243	158	175						

## DIN 24/60 & INVERTED CONE

Size		Torque	
mm		ft-lb	
Light Tube O.D.	Heavy Tube O.D.	Min	Max
6		7	15
8		15	26
10	8	18	30
12	10	22	33
14	12	26	37
15	14	30	52
	16	30	52
18	20	44	74
22	25	59	89
28	30	74	111
	38	74	162
35		133	184
42		148	221

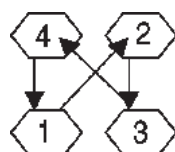
## BSP 30° & JIS

Dash Size	Torque	
1/16 inch	ft-lb	
	Min	Max
-2	7	9
-4	11	18
-6	19	28
-8	30	36
-10	37	44
-12	50	60
-16	79	95
-20	127	152
-24	167	190
-32	262	314

## 4-BOLT FLANGES

Dash Size	Bolt Size	Torque
1/16 inch	inch	ft-lb
-8	0.31	17
-12	0.38	26
-16	0.44	43
-20	0.5	65
-24	0.63	130
-32	0.75	220

Note:  
1. Align faces and finger tighten bolts before applying final torque in a pattern. The seal faces must be parallel with even bolt tension to seal properly.  
2. Torque values apply to bolts which are plated or coated in light engine oil.  
3. Before assembly lubricate O-ring with light oil (SAE 10W or 20W).



## SAE MALE FLARELESS ASSEMBLY (MFA)

After hand tight (when the sleeve bites the tube) rotate nut one full turn (eight flats).

## NPTF

Dash Size	Max Torque
1/16 inch	ft-lb
-2	20
-4	25
-6	35
-8	45
-12	55
-16	65
-20	80
-24	95
-32	120

Note:  
1. The torque values obtained from tightening pipe threads can vary considerably depending on thread condition. Adequate sealing can occur at values much lower than the maximum values listed above. Only enough torque to achieve adequate sealing should be used.  
2. When using a male tapered pipe thread with a female straight or parallel pipe thread, maximum values are 50% of those listed in the table.  
3. If thread sealant is used, maximum values shown should be decreased by 25%.

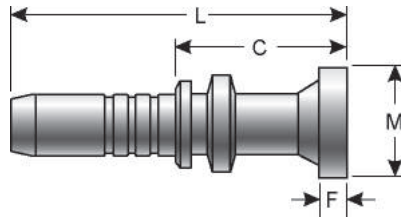
## FLATS METHOD VALUES

Termination Type	Dash Size	Flats
	1/16 in	
JIS	4	0.5 - 1.5
JIC	4	1.5 - 1.75
JIC	6	1.0 - 1.5
JIC	8	1.5 - 1.75
JIC	10	1.0 - 1.5
JIC	12	1.0 - 1.5
JIC	16	.75 - 1.0
JIC	20	.75 - 1.0
JIC	24	.75 - 1.0
JIC	32	.75 - 1.0

Note:  
1. Seal faces must be in contact and the fitting fully hand tightened before marking flats.  
2. Flats method is most accurate for the first assembly cycle, for multiple disassembly/assembly cycles torque values are more reliable.  
3. Tightening two flats or more is analogous to severe over torque and may damage seal faces.

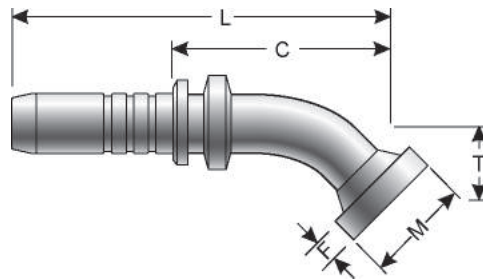
Conversion	Formula
ft-lb to N-m	[ft-lb]*1.3558 = [N-m]
ft-lb to in-lb	[ft-lb]*12 = [in-lb]
N-m to in-lb	[N-m]*8.8508 = [in-lb]

## Caterpillar Style O-Ring Flange



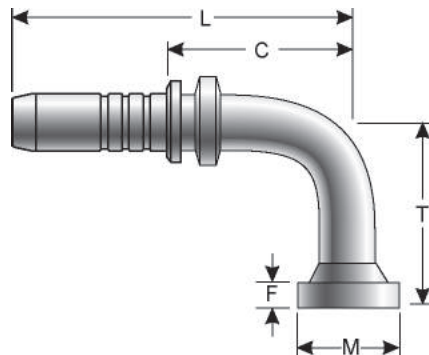
Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12G8K-12FLC	7347-80215	3/4	19.1	1.62	41.2	5.93	150.6	2.95	75.0	.56	14.2	.88
16G8K-16FLC	7347-80015	1	25.4	1.87	47.5	5.64	143.3	2.96	75.2	.56	14.2	1.19

## Caterpillar Style O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G8K-12FLC45-034	7347-80225	3/4	19.1	1.62	41.2	1.35	34.3	6.65	168.9	3.68	93.5	.56	14.2	1.07
16G8K-16FLC45-050	7347-80025	1	25.4	1.87	47.5	1.97	50.0	7.76	197.1	5.08	129.0	.56	14.2	1.63

## Caterpillar Style O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G8K-12FLC90-070	7347-80235	3/4	19.1	1.62	41.2	2.76	70.1	6.18	157.0	3.22	81.8	.56	14.2	1.24
16G8K-16FLC90-093	7347-80055	1	25.4	1.87	47.5	3.66	93.0	6.46	164.1	3.79	96.3	.56	14.2	1.39

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

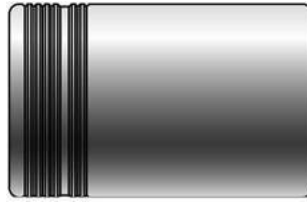
EQUIPMENT AND  
PARTS

## G8K Couplings

### Caterpillar Style O-Ring Flange - 90° Bent Tube - Continued

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
16G8K-16FLC90-117	7347-80045	1	25.4	1.87	47.5	4.61	117.1	6.46	164.1	3.79	96.3	.56	14.2	1.63

### G8K Ferrule for G8K Spiral Hose



Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
12G8K1F	7347-80205	3/4	19.1	2.56	65.0	.90
16G8K1F	7347-80065	1	25.4	2.60	66.0	.54

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

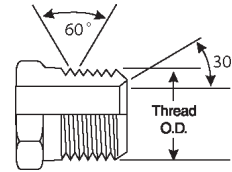
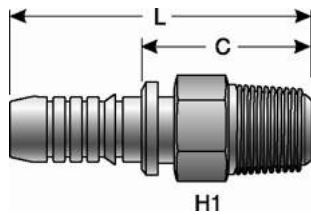
LIVE SWIVEL


BALL VALVES

ACCESSORIES

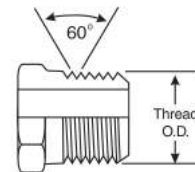
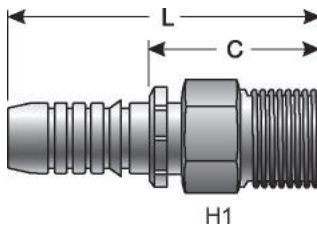
EQUIPMENT AND  
PARTS


## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6GS-6MP	7347-20145	3/8	9.5	3/8-18	1 1/16	2.72	69.1	1.31	33.3	.10
6GS-8MP	7347-20155	3/8	9.5	1/2-14	7/8	2.87	72.9	1.46	37.1	.15
8GS-8MP	7347-20245	1/2	12.7	1/2-14	7/8	2.91	73.9	1.43	36.3	.11
8GS-12MP	7347-20265	1/2	12.7	3/4-14	1 1/16	3.03	77.0	1.56	39.6	.31
10GS-8MP	7347-20335	5/8	15.9	1/2-14	15/16	3.35	85.1	1.34	34.0	.26
10GS-12MP	7347-20355	5/8	15.9	3/4-14	1 1/8	3.58	90.9	1.60	40.6	.33
12GS-8MP	7347-20425	3/4	19.1	1/2-14	1 1/16	3.54	89.9	1.54	39.1	.35
12GS-12MP	7347-20445	3/4	19.1	3/4-14	1 1/16	3.54	89.9	1.54	39.1	.55
12GS-16MP	7347-20465	3/4	19.1	1-11 1/2	1 3/8	3.82	97.0	1.81	46.0	.57
16GS-12MP	7347-20535	1	25.4	3/4-14	1 3/8	3.98	101.1	1.74	44.2	.33
16GS-16MP	7347-20555	1	25.4	1-11 1/2	1 3/8	4.17	105.9	1.94	49.3	.53
16GS-20MP	7347-20565	1	25.4	1 1/4-11 1/2	1 3/4	4.29	109.0	2.06	52.3	.57
20GS-20MP	7347-20645	1 1/4	31.8	1 1/4-11 1/2	1 3/4	5.00	127.0	2.20	55.9	1.25

## API Line Pipe Connection



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
20GS-20MPAPI	7347-76955	1 1/4	31.8	1 1/4-11 1/2	1 3/4	5.51	140.0	2.70	68.6	1.36

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

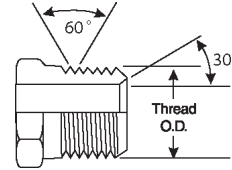
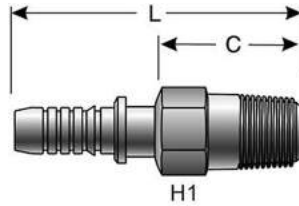
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

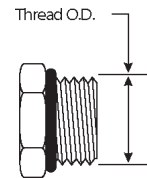
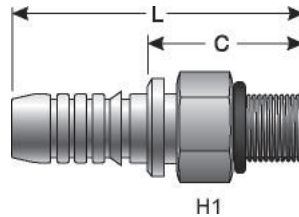
## Male Pipe (NPTF - 30° Cone Seat) - Long Hex



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
16GS-16MPLH	7347-76545	1	25.4	1-11 1/2	1 3/8	5.16	131.1	2.92	74.2	.93

## Male O-Ring Boss

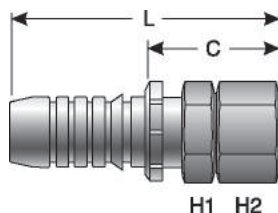
SAE J1926/2 ISO 11926-2 Heavy Duty (S Series) Stud End.



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6GS-6MB	7347-21145	3/8	9.5	9/16-18	11/16	2.56	65.0	1.15	29.2	.11
8GS-8MB	7347-21245	1/2	12.7	3/4-16	7/8	2.76	70.1	1.26	32.0	.13
8GS-10MB	7347-21255	1/2	12.7	7/8-14	1	2.83	71.9	1.34	34.0	.15
10GS-10MB	7347-21345	5/8	15.9	7/8-14	1	3.46	87.9	1.48	37.6	.29
10GS-12MB	7347-21355	5/8	15.9	1 1/16-12	1 1/4	3.46	87.9	1.48	37.6	.40
12GS-12MB	7347-21445	3/4	19.1	1 1/16-12	1 1/4	3.66	93.0	1.65	41.9	.45
12GS-16MB	7347-21465	3/4	19.1	1 5/16-12	1 1/2	3.54	89.9	1.54	39.1	.60
16GS-12MB	7347-21535	1	25.4	1 1/16-12	1 3/8	3.98	101.1	1.74	44.2	.60
16GS-16MB	7347-21555	1	25.4	1 5/16-12	1 1/2	3.86	98.1	1.62	41.2	.64
16GS-20MB	7347-21565	1	25.4	1 5/8-12	1 7/8	4.53	115.1	1.62	41.2	.97
20GS-20MB	7347-21645	1 1/4	31.8	1 5/8-12	1 7/8	4.53	115.1	1.73	43.9	1.08

## Female MegaSeal® Swivel

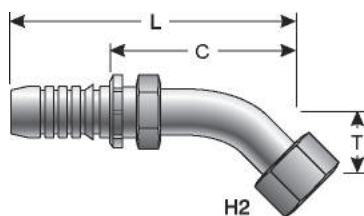
Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
12GS-12FMX	7347-69445	3/4	19.1	1 1/16-12	1 1/8	1 1/4	4.02	102.1	2.02	51.3	.51
12GS-16FMX	7347-69465	3/4	19.1	1 5/16-12	1 1/8	1 1/2	4.06	103.1	2.06	52.3	.62
16GS-16FMX	7347-69555	1	25.4	1 5/16-12	1 1/2	1 1/2	4.37	111.0	2.15	54.6	1.22
20GS-20FMX	7347-69645	1 1/4	31.8	1 5/8-12	1 7/8	2	5.36	136.1	2.56	65.0	1.69

## Female MegaSeal® Swivel - 45° Bent Tube

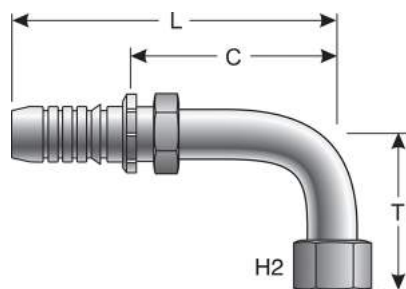
Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
12GS-12FMX45-032	7347-73275	3/4	19.1	1 1/16-12	1 1/4	1.26	32.0	5.08	129.0	3.07	78.0	.68
16GS-16FMX45-038	7347-70555	1	25.4	1 5/16-12	1 1/2	1.50	38.1	6.26	159.0	4.04	102.6	1.33
20GS-20FMX45-041	7347-70645	1 1/4	31.8	1 5/8-12	2	1.61	40.9	7.47	189.7	4.67	118.6	2.46

## Female MegaSeal® Swivel - 90° Bent Tube

Gates High Performance Replacement for Female JIC Fittings - Connects to Standard Male JIC Termination.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
12GS-12FMX90-048	7347-71445	3/4	19.1	1 1/16-12	1 1/4	1.89	48.0	4.72	119.9	2.72	69.1	.70

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

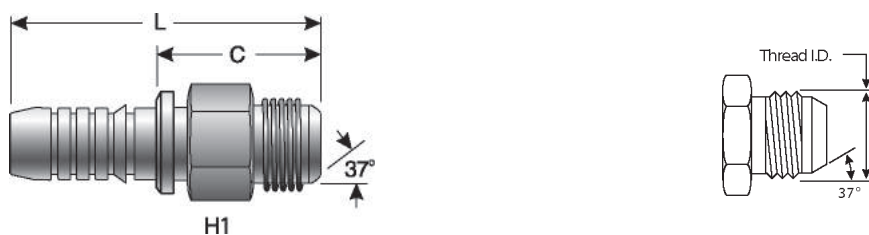
ACCESSORIES



EQUIPMENT AND  
PARTS

# Female MegaSeal® Swivel - 90° Bent Tube - Continued

Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	"	mm	
12GS-12FMX90-058	7347-71395	3/4	19.1	1 1/16-12	1 1/4	2.28	57.9	4.72	119.9	2.72	69.1	.77
12GS-12FMX90-096	7347-71405	3/4	19.1	1 1/16-12	1 1/4	3.78	96.0	4.72	119.9	2.72	69.1	.90
12GS-16FMX90-056	7347-71465	3/4	19.1	1 5/16-12	1 1/2	2.20	55.9	5.39	136.9	3.39	86.1	1.23
16GS-16FMX90-056	7347-71555	1	25.4	1 5/16-12	1 1/2	2.20	55.9	5.67	144.0	3.45	87.6	1.26
16GS-16FMX90-071	7347-71505	1	25.4	1 5/16-12	1 1/2	2.80	71.1	5.67	144.0	3.45	87.6	1.39

## Male JIC 37° Flare



Descr.	Prod. No.				H1	L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	
6GS-6MJ	7347-22145	3/8	9.5	9/16-18	11/16	2.60	66.0	1.19	30.2	.10
6GS-8MJ	7347-22155	3/8	9.5	3/4-16	13/16	2.76	70.1	1.35	34.3	.14
6GS-10MJ	7347-22165	3/8	9.5	7/8-14	15/16	3.03	77.0	1.62	41.2	.25
8GS-8MJ	7347-22245	1/2	12.7	3/4-16	13/16	2.83	71.9	1.36	34.5	.11
8GS-10MJ	7347-22255	1/2	12.7	7/8-14	7/8	2.95	74.9	1.48	37.6	.18
10GS-10MJ	7347-22345	5/8	15.9	7/8-14	15/16	3.62	92.0	1.64	41.7	.26
10GS-12MJ	7347-22355	5/8	15.9	1 1/16-12	1 1/16	3.70	94.0	1.72	43.7	.37
12GS-12MJ	7347-22445	3/4	19.1	1 1/16-12	1 1/8	3.66	93.0	1.65	41.9	.40
12GS-14MJ	7347-22455	3/4	19.1	1 3/16-12	1 1/4	3.70	94.0	1.69	42.9	.49
12GS-16MJ	7347-22465	3/4	19.1	1 5/16-12	1 5/16	3.78	96.0	1.77	45.0	.60
16GS-16MJ	7347-22555	1	25.4	1 5/16-12	1 3/8	4.09	103.9	1.86	47.2	.57
16GS-20MJ	7347-22585	1	25.4	1 5/8-12	1 3/4	4.27	108.5	2.04	51.8	.95
20GS-20MJ	7347-22645	1 1/4	31.8	1 5/8-12	1 3/4	4.92	125.0	2.12	53.9	1.28

## Female JIC 37° Flare Swivel



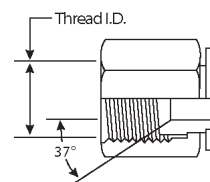
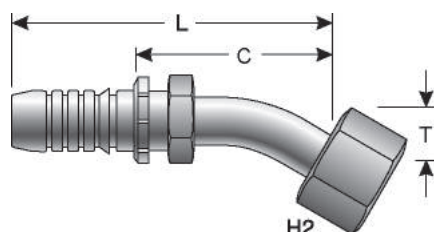
Descr.	Prod. No.	⊖		H1	H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6GS-6FJX	7347-24145	3/8	9.5	9/16-18	3/4	2.72	69.1	1.31	33.3	.12
6GS-8FJX	7347-24155	3/8	9.5	3/4-16	3/4	2.80	71.1	1.39	35.3	.14
8GS-8FJX	7347-24245	1/2	12.7	3/4-16	7/8	2.83	71.9	1.36	34.5	.31

# Female JIC 37° Flare Swivel - Continued

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
8GS-10FJX	7347-24255	1/2	12.7	7/8-14	7/8	1 1/16	2.99	76.0	1.51	38.4	.25
8GS-12FJX	7347-24265	1/2	12.7	1 1/16-12	7/8	1 1/4	3.03	77.0	1.56	39.6	.30
10GS-10FJXMM	7347-82175	5/8	15.9	7/8-14	1	1 1/16	3.68	93.5	1.70	43.2	.38
10GS-12FJX	7347-24355	5/8	15.9	1 1/16-12	1	1 1/4	3.74	95.0	1.76	44.7	.42
12GS-10FJX	7347-24435	3/4	19.1	7/8-14	1 1/16	1 1/8	3.87	98.3	1.87	47.5	.44
12GS-12FJX	7347-24445	3/4	19.1	1 1/16-12	1	1 1/4	3.87	98.3	1.86	47.2	.46
12GS-14FJX	7347-24455	3/4	19.1	1 3/16-12	1 1/8	1 3/8	4.06	103.1	2.06	52.3	.55
12GS-16FJX	7347-24465	3/4	19.1	1 5/16-12	1 1/4	1 1/2	4.02	102.1	2.01	51.1	.51
16GS-12FJX	7347-24535	1	25.4	1 1/16-12	1 3/8	1 3/8	4.25	108.0	2.00	50.8	.57
16GS-14FJX	7347-24545	1	25.4	1 3/16-12	1 3/8	1 1/2	4.25	108.0	2.01	51.1	.73
16GS-16FJX	7347-24555	1	25.4	1 5/16-12	1 1/2	1 1/2	4.30	109.2	2.07	52.6	.70
16GS-20FJX	7347-24565	1	25.4	1 5/8-12	1 1/2	2	4.53	115.1	2.31	58.7	1.20
20GS-16FJX	7347-24635	1 1/4	31.8	1 5/16-12	1 3/4	1 5/8	5.08	129.0	2.28	57.9	1.19
20GS-20FJX	7347-24645	1 1/4	31.8	1 5/8-12	1 7/8	2	5.29	134.4	2.56	65.0	1.39
20GS-24FJX	7347-24655	1 1/4	31.8	1 7/8-12	1 7/8	2 3/8	5.39	136.9	2.59	65.8	2.07

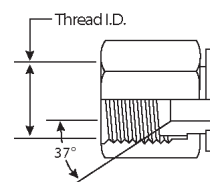
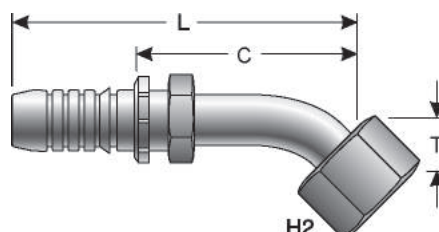
# Female JIC 37° Flare Swivel - 30° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-S.



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
16GS-16FJX30M	7347-73055	1	25.4	1 5/16-12	1 1/2	1.06	26.9	6.02	152.9	3.80	96.5	.95

# Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
6GS-6FJX45S	7347-25145	3/8	9.5	9/16-18	3/4	.43	10.9	3.23	82.0	1.82	46.2	.15
6GS-8FJX45S	7347-25155	3/8	9.5	3/4-16	7/8	.59	15.0	3.66	93.0	2.25	57.2	.18
8GS-8FJX45S	7347-25245	1/2	12.7	3/4-16	7/8	.59	15.0	3.70	94.0	2.22	56.4	.20
8GS-10FJX45S	7347-25255	1/2	12.7	7/8-14	1 1/16	.63	16.0	3.58	90.9	2.11	53.6	.24

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS



LIVE SWIVEL

BALL VALVES

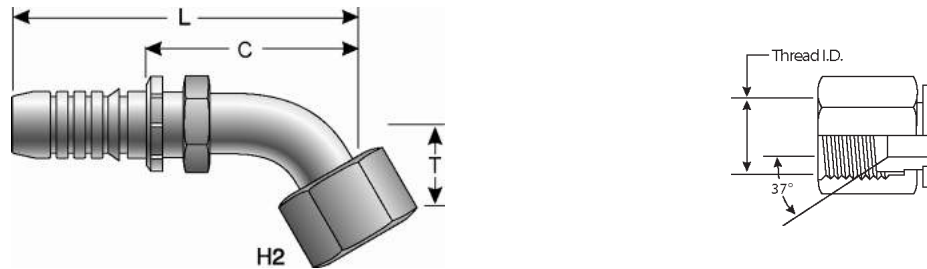
ACCESSORIES



EQUIPMENT AND  
PARTS

## Female JIC 37° Flare Swivel - 45° Bent Tube - Continued

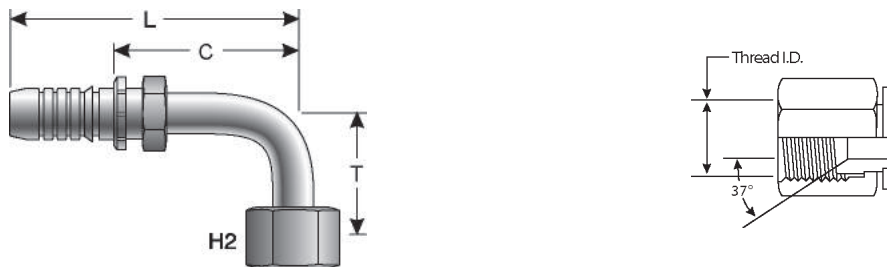
Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	"	mm	
10GS-10FJXMM45-018	7347-83275	5/8	15.9	7/8-14	1 1/16	.71	18.0	4.45	113.0	2.48	63.0	.48
10GS-12FJX45S	7347-25355	5/8	15.9	1 1/16-12	1 1/4	.83	21.1	4.80	121.9	2.82	71.6	.55
12GS-12FJX45S	7347-25445	3/4	19.1	1 1/16-12	1 1/4	.83	21.1	5.12	130.1	3.11	79.0	.66
12GS-16FJX45S	7347-25465	3/4	19.1	1 5/16-12	1 1/2	.94	23.9	5.39	136.9	3.39	86.1	.81
16GS-16FJX45M	7347-26555	1	25.4	1 5/16-12	1 1/2	1.50	38.1	6.30	160.0	4.07	103.4	.99
16GS-16FJX45S	7347-25555	1	25.4	1 5/16-12	1 1/2	.94	23.9	5.98	151.9	3.77	95.8	.95
16GS-20FJX45S	7347-25565	1	25.4	1 5/8-12	2	.98	24.9	6.46	164.1	4.23	107.4	1.65
20GS-20FJX45-038	7347-76175	1 1/4	31.8	1 5/8-12	2	1.50	38.1	7.09	180.1	4.29	109.0	2.02



## Female JIC 37° Flare Swivel - 60° Bent Tube




Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	"	mm	
12GS-12FJX60-043	7347-76795	3/4	19.1	1 1/16-12	1 1/4	1.69	42.9	5.59	142.0	3.58	90.9	.70

## Female JIC 37° Flare Swivel - 90° Bent Tube



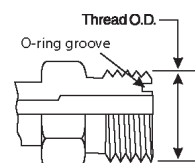
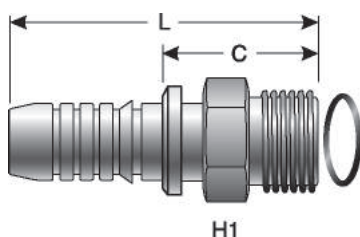
Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm	"		"	mm	"	mm	"	mm	
6GS-6FJX90L	7347-29145	3/8	9.5	9/16-18	3/4	2.13	54.1	3.39	86.1	1.98	50.3	.17
6GS-6FJX90S	7347-27145	3/8	9.5	9/16-18	3/4	.91	23.1	3.11	79.0	1.70	43.2	.15
6GS-6FJXMM90M	7347-84045	3/8	9.5	9/16-18	3/4	1.50	38.1	3.11	79.0	1.70	43.2	.09
6GS-8FJX90-083	7347-76785	3/8	9.5	3/4-16	7/8	3.27	83.1	3.58	90.9	2.17	55.1	.03
6GS-8FJX90M	7347-28155	3/8	9.5	3/4-16	7/8	1.61	40.9	3.58	90.9	2.17	55.1	.24
8GS-8FJX90L	7347-29245	1/2	12.7	3/4-16	7/8	2.52	64.0	3.62	92.0	2.15	54.6	.66
8GS-8FJX90M	7347-28245	1/2	12.7	3/4-16	7/8	1.61	40.9	3.62	92.0	2.15	54.6	.55
8GS-8FJX90S	7347-27245	1/2	12.7	3/4-16	7/8	1.14	29.0	3.39	86.1	1.91	48.5	.44
8GS-8FJX90XL	7347-73065	1/2	12.7	3/4-16	7/8	4.06	103.1	3.62	92.0	2.15	54.6	.40


## Female JIC 37° Flare Swivel - 90° Bent Tube - Continued

Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
8GS-10FJX90L	7347-29255	1/2	12.7	7/8-14	1 1/16	3.27	83.1	3.74	95.0	2.26	57.4	.46
8GS-10FJX90M	7347-28165	1/2	12.7	7/8-14	1 1/16	1.85	47.0	3.50	88.9	2.01	51.1	.35
8GS-10FJX90S	7347-27255	1/2	12.7	7/8-14	1 1/16	1.26	32.0	3.62	92.0	2.15	54.6	.29
8GS-12FJX90S	7347-27265	1/2	12.7	1 1/16-12	1 1/4	1.89	48.0	4.37	111.0	2.89	73.4	.46
10GS-10FJXMM90-036	7347-84275	5/8	15.9	7/8-14	1 1/16	1.42	36.1	4.37	111.0	1.70	43.2	.52
10GS-10FJXMM90M	7347-84285	5/8	15.9	7/8-14	1 1/16	1.85	47.0	4.21	106.9	2.23	56.6	.54
10GS-12FJX90M	7347-28355	5/8	15.9	1 1/16-12	1 1/4	2.28	57.9	4.76	120.9	2.78	70.6	.58
12GS-12FJX90L	7347-29445	3/4	19.1	1 1/16-12	1 1/4	3.78	96.0	4.45	113.0	2.44	62.0	.90
12GS-12FJX90M	7347-28445	3/4	19.1	1 1/16-12	1 1/4	2.28	57.9	4.45	113.0	2.44	62.0	.77
12GS-12FJX90S	7347-27445	3/4	19.1	1 1/16-12	1 1/4	1.89	48.0	4.45	113.0	2.44	62.0	.75
12GS-14FJX90-060	7347-28455	3/4	19.1	1 3/16-12	1 3/8	2.36	59.9	5.55	141.0	3.54	89.9	.92
12GS-16FJX90L	7347-29465	3/4	19.1	1 5/16-12	1 1/2	4.49	114.1	5.32	135.1	3.31	84.1	1.27
12GS-16FJX90M	7347-28465	3/4	19.1	1 5/16-12	1 1/2	2.80	71.1	5.31	134.9	3.31	84.1	.92
12GS-16FJX90S	7347-27465	3/4	19.1	1 5/16-12	1 1/2	2.20	55.9	5.31	134.9	3.31	84.1	.92
16GS-16FJX90L	7347-29555	1	25.4	1 5/16-12	1 1/2	4.33	110.0	5.67	144.0	3.45	87.6	1.06
16GS-16FJX90M	7347-28555	1	25.4	1 5/16-12	1 1/2	2.80	71.1	5.67	144.0	3.45	87.6	1.01
16GS-16FJX90S	7347-27555	1	25.4	1 5/16-12	1 1/2	2.20	55.9	5.67	144.0	3.45	87.6	1.20
16GS-20FJX90L	7347-29565	1	25.4	1 5/8-12	2	5.08	129.0	6.06	153.9	3.84	97.5	2.54
20GS-20FJX90L	7347-29645	1 1/4	31.8	1 5/8-12	2	5.08	129.0	6.85	174.0	4.05	102.9	3.18
20GS-20FJX90M	7347-28645	1 1/4	31.8	1 5/8-12	2	3.07	78.0	6.85	174.0	4.05	102.9	2.80
20GS-20FJX90S	7347-27645	1 1/4	31.8	1 5/8-12	2	2.52	64.0	6.85	174.0	4.05	102.9	2.61
20GS-24FJX90M	7347-28655	1 1/4	31.8	1 7/8-12	2 3/8	3.39	86.1	7.32	185.9	4.52	114.8	3.32

## Male Flat-Face O-Ring

Includes Peroxide-cured O-Ring.  
Metric Hex per ISO Draft International Standard 12151-1.  
Utilizes SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention.



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	
6GS-6MFFOR	7347-23865	3/8	9.5	11/16-16	19	2.52	64.0	1.11	28.2	.12
8GS-8MFFOR	7347-23825	1/2	12.7	13/16-16	22	2.68	68.1	1.20	30.5	.20
8GS-10MFFOR	7347-23895	1/2	12.7	1-14	27	2.91	73.9	1.44	36.6	.13
10GS-10MFFOR	7347-23875	5/8	15.9	1-14	27	3.42	86.9	1.44	36.6	.30
10GS-12MFFOR	7347-23885	5/8	15.9	1 3/16-12	32	3.50	88.9	1.52	38.6	.45
12GS-12MFFOR	7347-23835	3/4	19.1	1 3/16-12	32	3.50	88.9	1.50	38.1	.44
12GS-16MFFOR	7347-23845	3/4	19.1	1 7/16-12	41	3.74	95.0	1.73	43.9	.81
16GS-16MFFOR	7347-23815	1	25.4	1 7/16-12	41	4.02	102.1	1.78	45.2	1.23
16GS-20MFFOR	7347-23925	1	25.4	1 11/16-12	50	4.17	106.0	1.78	45.2	1.08
20GS-20MFFOR	7347-23855	1 1/4	31.8	1 11/16-12	50	4.72	119.9	1.93	49.0	1.19

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

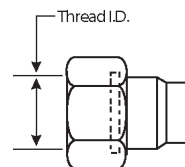
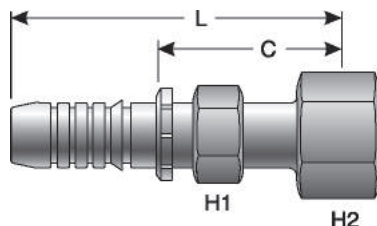
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

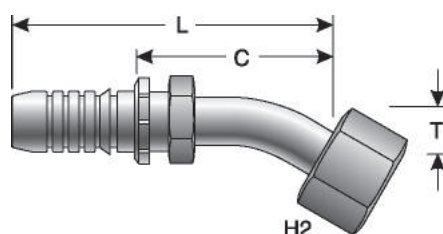
## Female Flat-Face O-Ring Swivel



Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



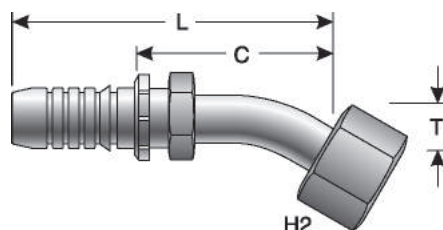
Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
6GS-6FFORX	7347-30145	3/8	9.5	11/16-16	22	22	2.72	69.1	1.31	33.3	.15
6GS-8FFORX	7347-30155	3/8	9.5	13/16-16	22	24	2.83	71.9	1.43	36.3	.24
8GS-8FFORX	7347-30245	1/2	12.7	13/16-16	27	24	2.87	72.9	1.40	35.6	.15
8GS-10FFORX	7347-30255	1/2	12.7	1-14	27	30	3.07	78.0	1.59	40.4	.40
8GS-12FFORX	7347-30265	1/2	12.7	1 3/16-12	27	36	3.11	79.0	1.63	41.4	.54
10GS-10FFORX	7347-30345	5/8	15.9	1-14	30	30	3.70	94.0	1.72	43.7	.37
10GS-12FFORX	7347-30355	5/8	15.9	1 3/16-12	30	36	3.74	95.0	1.76	44.7	.56
12GS-10FFORX	7347-30435	3/4	19.1	1-14	32	30	3.82	97.0	1.81	46.0	.48
12GS-12FFORX	7347-30445	3/4	19.1	1 3/16-12	32	36	1.95	49.5	1.89	48.1	.64
12GS-16FFORX	7347-30465	3/4	19.1	1 7/16-12	32	41	4.06	103.1	2.05	52.1	.88
12GS-20FFORX	7347-30475	3/4	19.1	1 11/16-12	32	50	3.91	99.3	1.90	48.3	.91
16GS-12FFORX	7347-30535	1	25.4	1 3/16-12	36	36	5.15	130.8	2.92	74.2	.42
16GS-16FFORX	7347-30555	1	25.4	1 7/16-12	41	41	4.36	110.7	2.14	54.4	1.04
16GS-20FFORX	7347-30565	1	25.4	1 11/16-12	41	50	4.36	110.7	2.14	54.4	1.15
20GS-20FFORX	7347-30645	1 1/4	31.8	1 11/16-12	50	50	5.04	128.0	2.24	56.9	1.62
20GS-24FFORX	7347-30655	1 1/4	31.8	2-12	50	60	5.12	130.1	2.32	58.9	1.94

## Female Flat-Face O-Ring Swivel - 22 1/2° Bent Tube



Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
16GS-16FFORX22-011	7347-78615	1	25.4	1 7/16-12	41	43	10.9	5.87	149.1	3.68	93.5	1.18

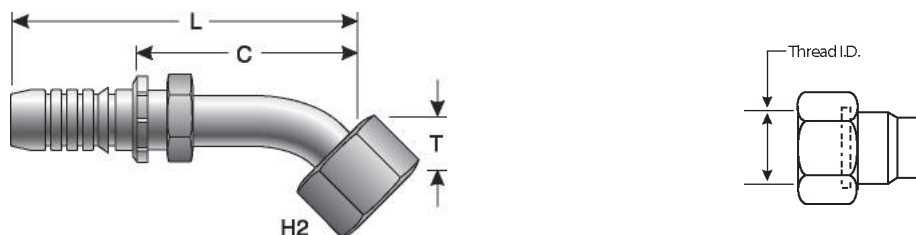
## Female Flat-Face O-Ring Swivel - 30° Bent Tube



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
16GS-16FFORX30-14	7347-76345	1	25.4	1 7/16-12	41	.55	14.0	5.87	149.1	3.64	92.5	.53

## Female Flat-Face O-Ring Swivel - 45° Bent Tube

Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
6GS-6FFORX45S	7347-31145	3/8	9.5	11/16-16	22	.43	10.9	3.23	82.0	1.82	46.2	.17
6GS-8FFORX45S	7347-31155	3/8	9.5	13/16-16	24	.59	15.0	3.66	93.0	2.25	57.2	.27
8GS-8FFORX45S	7347-31245	1/2	12.7	13/16-16	24	.59	15.0	3.70	94.0	2.22	56.4	.29
8GS-10FFORX45S	7347-31255	1/2	12.7	1-14	30	.63	16.0	3.90	99.1	2.42	61.5	.03
8GS-12FFORX45S	7347-31265	1/2	12.7	1 3/16-12	36	.83	21.1	4.53	115.1	3.05	77.5	.06
10GS-10FFORX45S	7347-31345	5/8	15.9	1-14	30	.63	16.0	4.37	111.0	2.39	60.7	.43
12GS-12FFORX45S	7347-31445	3/4	19.1	1 3/16-12	36	.83	21.1	4.92	125.0	2.91	73.9	.75
12GS-16FFORX45S	7347-31465	3/4	19.1	1 7/16-12	24	.94	23.9	5.39	136.9	3.39	86.1	.93
16GS-16FFORX45S	7347-31555	1	25.4	1 7/16-12	24	.94	23.9	5.67	144.0	3.46	87.9	1.15
16GS-20FFORX45S	7347-31565	1	25.4	1 11/16-12	50	.98	24.9	6.46	164.1	4.24	107.7	1.45
20GS-20FFORX45-032	7347-76045	1 1/4	31.8	1 11/16-12	50	1.26	32.0	7.09	180.1	4.29	109.0	2.16

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

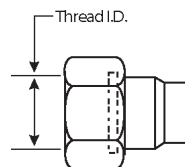
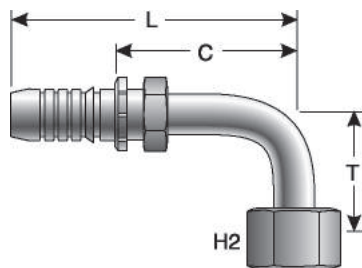
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female Flat-Face O-Ring Swivel - 90° Bent Tube

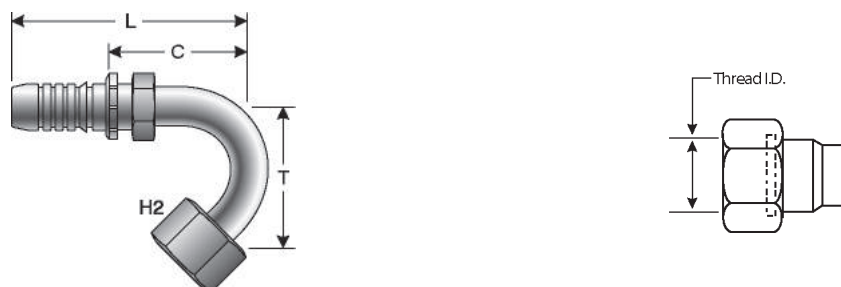
Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-6FFORX90L	7347-34145	3/8	9.5	11/16-16	22	2.13	54.1	3.35	85.1	1.94	49.3	.19
6GS-6FFORX90S	7347-32145	3/8	9.5	11/16-16	22	.91	23.1	3.07	78.0	1.66	42.2	.17
6GS-8FFORX90M	7347-33155	3/8	9.5	13/16-16	24	1.61	40.9	3.35	85.1	1.94	49.3	.30
8GS-8FFORX90-083	7347-73845	1/2	12.7	13/16-16	24	3.27	83.1	3.39	86.1	1.91	48.5	.33
8GS-8FFORX90M	7347-33245	1/2	12.7	13/16-16	24	1.61	40.9	3.39	86.1	1.91	48.5	.26
8GS-8FFORX90S	7347-32245	1/2	12.7	13/16-16	24	1.14	29.0	3.39	86.1	1.91	48.5	.30
8GS-10FFORX90L	7347-34255	1/2	12.7	1-14	30	2.76	70.1	3.98	101.1	2.50	63.5	.05
8GS-10FFORX90M	7347-33255	1/2	12.7	1-14	30	1.85	47.0	3.98	101.1	2.50	63.5	.75
8GS-10FFORX90S	7347-32255	1/2	12.7	1-14	30	1.26	32.0	3.98	101.1	2.50	63.5	.03
8GS-12FFORX90S	7347-32265	1/2	12.7	1 3/16-12	36	1.89	48.0	4.21	106.9	2.74	69.6	.66
10GS-10FFORX90L	7347-34345	5/8	15.9	1-14	30	2.76	70.1	4.45	113.0	2.44	62.0	.57
10GS-10FFORX90M	7347-33345	5/8	15.9	1-14	30	1.85	47.0	4.21	106.9	2.20	55.9	.49
10GS-10FFORX90S	7347-32345	5/8	15.9	1-14	30	1.26	32.0	4.20	106.7	2.22	56.4	.43
10GS-12FFORX90S	7347-32355	5/8	15.9	1 3/16-12	36	1.26	32.0	4.21	106.9	2.74	69.6	.70
12GS-10FFORX90S	7347-32435	3/4	19.1	1-14	30	1.26	32.0	4.37	111.0	2.36	59.9	.62
12GS-12FFORX90L	7347-34445	3/4	19.1	1 3/16-12	36	3.78	96.0	5.04	128.0	3.03	77.0	1.14
12GS-12FFORX90M	7347-33445	3/4	19.1	1 3/16-12	36	2.28	57.9	5.04	128.0	3.03	77.0	.92
12GS-12FFORX90S	7347-32445	3/4	19.1	1 3/16-12	36	1.89	48.0	5.04	128.0	3.03	77.0	.88
12GS-16FFORX90L	7347-34465	3/4	19.1	1 7/16-12	41	4.49	114.1	5.39	136.9	3.39	86.1	1.32
12GS-16FFORX90M	7347-33465	3/4	19.1	1 7/16-12	41	2.80	71.1	5.39	136.9	3.39	86.1	1.10
12GS-16FFORX90S	7347-32465	3/4	19.1	1 7/16-12	41	2.20	55.9	5.39	136.9	3.39	86.1	1.05
16GS-16FFORX90L	7347-34555	1	25.4	1 7/16-12	41	4.49	114.1	5.67	144.0	3.45	87.6	1.66
16GS-16FFORX90M	7347-33555	1	25.4	1 7/16-12	41	2.80	71.1	5.67	144.0	3.45	87.6	1.55
16GS-16FFORX90S	7347-32555	1	25.4	1 7/16-12	41	2.20	55.9	5.67	144.0	3.45	87.6	1.35
16GS-20FFORX90L	7347-34565	1	25.4	1 11/16-12	50	5.08	129.0	6.05	153.7	3.83	97.3	2.11
16GS-20FFORX90M	7347-33565	1	25.4	1 11/16-12	50	3.07	78.0	6.05	153.7	3.83	97.3	1.89
16GS-20FFORX90S	7347-32565	1	25.4	1 11/16-12	50	2.52	64.0	6.06	153.9	3.84	97.5	1.78
20GS-20FFORX90L	7347-34645	1 1/4	31.8	1 11/16-12	50	5.08	129.0	6.77	172.0	3.97	100.8	2.86
20GS-20FFORX90M	7347-33645	1 1/4	31.8	1 11/16-12	50	3.07	78.0	6.77	172.0	3.97	100.8	2.46
20GS-20FFORX90S	7347-32645	1 1/4	31.8	1 11/16-12	50	2.52	64.0	6.77	172.0	3.97	100.8	2.35
20GS-24FFORX90-064	7347-76985	1 1/4	31.8	2-12	60	2.52	64.0	6.77	172.0	3.97	100.8	2.82

## Female Flat-Face O-Ring Swivel - 135° Bent Tube

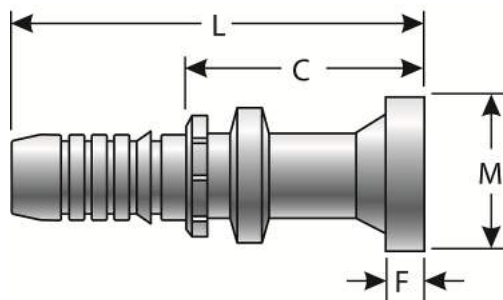
Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
12GS-16FFORX135	7347-73795	3/4	19.1	1 7/16-12	24	2.99	76.0	3.39	86.1	1.48	37.6	1.17

## Code 61 O-Ring Flange

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⌀		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-8FL	7347-41155	3/8	9.5	1.19	30.2	3.54	89.9	2.13	54.1	.27	6.9	.22
8GS-8FL	7347-41245	1/2	12.7	1.19	30.2	3.66	93.0	2.19	55.6	.27	6.9	.18
8GS-12FL	7347-41265	1/2	12.7	1.50	38.1	3.86	98.1	2.38	60.5	.27	6.9	.18
8GS-16FL	7347-41285	1/2	12.7	1.75	44.5	2.84	72.1	1.37	34.8	.32	8.1	.46
10GS-12FL	7347-41355	5/8	15.9	1.50	38.1	4.29	109.0	2.31	58.7	.27	6.9	.42
12GS-8FL	7347-41425	3/4	19.1	1.19	30.2	4.41	112.0	2.40	61.0	.27	6.9	.40
12GS-12FL	7347-41445	3/4	19.1	1.50	38.1	4.37	111.0	2.36	59.9	.27	6.9	.53
12GS-16FL	7347-41465	3/4	19.1	1.75	44.5	4.37	111.0	2.36	59.9	.32	8.1	.53
12GS-20FL	7347-41475	3/4	19.1	2.00	50.8	4.37	111.0	2.36	59.9	.32	8.1	.64
16GS-12FL	7347-41535	1	25.4	1.50	38.1	4.65	118.1	2.40	61.0	.27	6.9	.61
16GS-16FL	7347-41555	1	25.4	1.75	44.5	4.92	125.0	2.70	68.6	.32	8.1	.88
16GS-20FL	7347-41565	1	25.4	2.00	50.8	4.92	125.0	2.69	68.3	.32	8.1	.75
16GS-24FL	7347-41575	1	25.4	2.38	60.5	4.92	125.0	1.90	48.3	.32	8.1	1.11
20GS-16FL	7347-41635	1 1/4	31.8	1.75	44.5	5.35	135.9	2.55	64.8	.32	8.1	1.17
20GS-20FL	7347-41645	1 1/4	31.8	2.00	50.8	5.75	146.1	2.95	74.9	.32	8.1	1.51
20GS-24FL	7347-41655	1 1/4	31.8	2.38	60.5	6.30	160.0	3.50	88.9	.32	8.1	1.72
20GS-32FL	7347-41665	1 1/4	31.8	2.81	71.4	5.71	145.0	2.91	73.9	.38	9.7	1.70

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

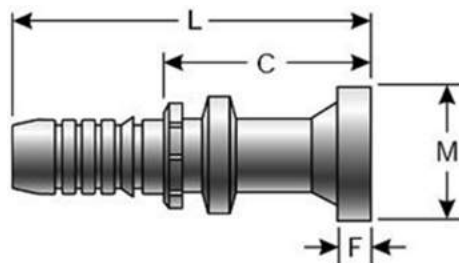
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange Long Neck

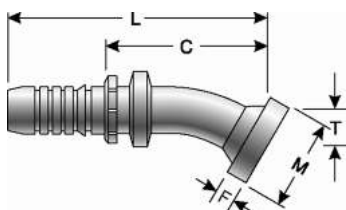
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLL	7347-41455	3/4	19.1	1.50	38.1	5.20	132.1	3.19	81.0	.27	6.9	.60
16GS-16FLL	7347-41545	1	25.4	1.75	44.5	5.63	143.0	3.41	86.6	.32	8.1	1.11
20GS-20FLL	7347-41675	1 1/4	31.8	2.00	50.8	6.26	159.0	3.46	87.9	.32	8.1	1.60

## Code 61 O-Ring Flange - 22 1/2° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FL22M	7347-42245	1/2	12.7	1.19	30.2	.35	8.9	3.78	96.0	2.30	58.4	.27	6.9	.24
12GS-12FL22M	7347-42445	3/4	19.1	1.50	38.1	.43	10.9	5.16	131.1	3.15	80.0	.27	6.9	.55
12GS-16FL22M	7347-42465	3/4	19.1	1.75	44.5	.55	14.0	5.24	133.1	3.23	82.0	.32	8.1	.68
16GS-16FL22M	7347-42555	1	25.4	1.75	44.5	.55	14.0	6.10	154.9	3.87	98.3	.32	8.1	1.06
16GS-20FL22M	7347-42565	1	25.4	2.00	50.8	.59	15.0	6.61	167.9	4.37	111.0	.32	8.1	.81
20GS-20FL22M	7347-42645	1 1/4	31.8	2.00	50.8	.59	15.0	7.01	178.1	4.21	106.9	.32	8.1	1.58
20GS-24FL22M	7347-42655	1 1/4	31.8	2.38	60.5	.71	18.0	7.32	185.9	4.52	114.8	.32	8.1	2.09

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

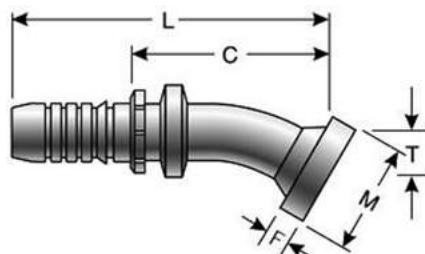
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange - 30° Bent Tube

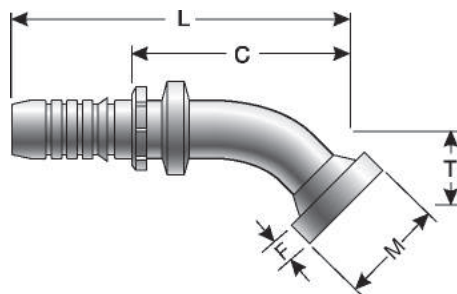
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-12FL30M	7347-43265	1/2	12.7	1.50	38.1	.63	16.0	3.94	100.1	2.46	62.5	.27	6.9	.35
12GS-12FL30M	7347-43445	3/4	19.1	1.50	38.1	.63	16.0	5.08	129.0	3.07	78.0	.27	6.9	.55
12GS-16FL30M	7347-43465	3/4	19.1	1.75	44.5	.75	19.1	4.76	120.9	2.76	70.1	.32	8.1	.66
16GS-16FL30M	7347-43555	1	25.4	1.75	44.5	.75	19.1	6.02	152.9	3.80	96.5	.32	8.1	1.06
16GS-20FL30M	7347-43565	1	25.4	2.00	50.8	.87	22.1	6.54	166.1	4.29	109.0	.32	8.1	.81
20GS-20FL30M	7347-43645	1 1/4	31.8	2.00	50.8	.87	22.1	6.93	176.0	4.13	104.9	.32	8.1	1.58
20GS-24FL30M	7347-43655	1 1/4	31.8	2.38	60.5	1.18	30.0	7.17	182.1	4.37	111.0	.32	8.1	2.05

## Code 61 O-Ring Flange - 45° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-8FL45M	7347-44155	3/8	9.5	1.19	30.2	.75	19.1	3.66	93.0	2.25	57.2	.27	6.9	.26
8GS-8FL45M	7347-44245	1/2	12.7	1.19	30.2	.75	19.1	3.70	94.0	2.22	56.4	.27	6.9	.29
8GS-12FL45M	7347-44265	1/2	12.7	1.50	38.1	1.02	25.9	3.98	101.1	2.50	63.5	.27	6.9	.38
10GS-12FL45M	7347-44355	5/8	15.9	1.50	38.1	1.02	25.9	5.00	127.0	3.02	76.7	.27	6.9	.53
12GS-12FL45M	7347-44445	3/4	19.1	1.50	38.1	1.02	25.9	4.88	124.0	2.87	72.9	.27	6.9	.53
12GS-16FL45S	7347-73135	3/4	19.1	1.75	44.5	1.10	27.9	4.96	126.0	2.95	74.9	.32	8.1	.68
16GS-16FL45M	7347-44555	1	25.4	1.75	44.5	1.26	32.0	5.79	147.1	3.57	90.7	.32	8.1	1.06
16GS-20FL45M	7347-44565	1	25.4	2.00	50.8	1.50	38.1	6.22	158.0	3.97	100.8	.32	8.1	.84
20GS-16FL45M	7347-44635	1 1/4	31.8	1.75	44.5	1.26	32.0	6.42	163.1	3.62	92.0	.32	8.1	1.37
20GS-20FL45S	7347-73565	1 1/4	31.8	2.00	50.8	1.26	32.0	6.69	169.9	3.89	98.8	.32	8.1	1.60
20GS-24FL45S	7347-73575	1 1/4	31.8	2.38	60.5	1.50	38.1	6.93	176.0	4.13	104.9	.32	8.1	2.10

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

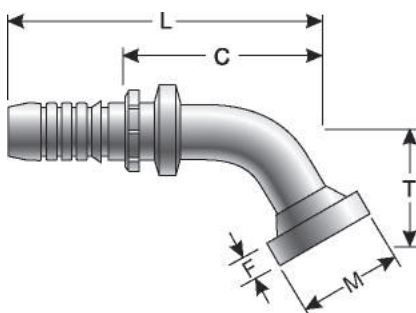
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Code 61 O-Ring Flange - 60° Bent Tube**

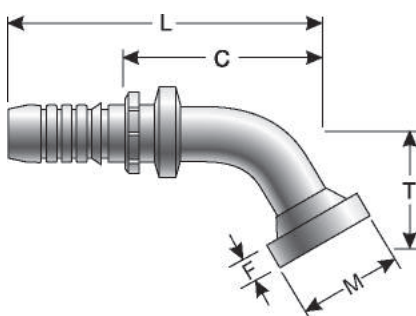
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊕		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FL60M	7347-45245	1/2	12.7	1.19	30.2	1.06	26.9	4.09	103.9	2.62	66.6	.27	6.9	.57
12GS-12FL60M	7347-45445	3/4	19.1	1.50	38.1	1.46	37.1	5.39	136.9	3.39	86.1	.27	6.9	.73
12GS-16FL60M	7347-45465	3/4	19.1	1.75	44.5	1.73	43.9	5.35	135.9	3.35	85.1	.32	8.1	.77
16GS-16FL60M	7347-45555	1	25.4	1.75	44.5	1.73	43.9	6.18	157.0	3.97	100.8	.32	8.1	1.22
16GS-20FL60M	7347-45565	1	25.4	2.00	50.8	2.17	55.1	6.18	157.0	3.94	100.1	.32	8.1	.88
20GS-20FL60M	7347-45645	1 1/4	31.8	2.00	50.8	2.17	55.1	7.36	186.9	4.56	115.8	.32	8.1	1.89
20GS-24FL60M	7347-45655	1 1/4	31.8	2.38	60.5	2.52	64.0	7.68	195.1	4.88	124.0	.32	8.1	2.49

**Code 61 O-Ring Flange - 67 1/2° Bent Tube**

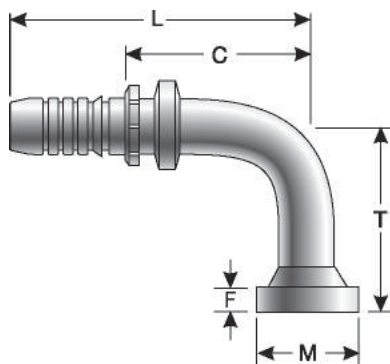
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊕		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-12FL67-032	7347-78025	1/2	12.7	1.50	38.1	1.26	32.0	3.70	94.0	2.21	56.1	.27	6.9	.36
12GS-12FL67M	7347-46445	3/4	19.1	1.50	38.1	1.65	41.9	5.20	132.1	3.19	81.0	.27	6.9	.73
12GS-16FL67M	7347-46465	3/4	19.1	1.75	44.5	2.01	51.1	5.08	129.0	3.07	78.0	.32	8.1	.75
16GS-16FL67M	7347-46555	1	25.4	1.75	44.5	2.01	51.1	5.94	150.9	3.71	94.2	.32	8.1	1.22
16GS-20FL67M	7347-46565	1	25.4	2.00	50.8	2.52	64.0	5.83	148.1	3.59	91.2	.32	8.1	.88
20GS-20FL67M	7347-46645	1 1/4	31.8	2.00	50.8	2.52	64.0	7.01	178.1	4.21	106.9	.32	8.1	1.89
20GS-24FL67S	7347-76605	1 1/4	31.8	2.38	60.5	2.01	51.1	6.46	164.1	3.66	93.0	.32	8.1	1.90

## Code 61 O-Ring Flange - 90° Bent Tube

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-8FL90M	7347-74155	3/8	9.5	1.19	30.2	1.57	39.9	3.43	87.1	2.02	51.3	.27	6.9	.33
8GS-8FL90L	7347-73815	1/2	12.7	1.19	30.2	3.27	83.1	3.46	87.9	1.99	50.6	.27	6.9	.40
8GS-8FL90M	7347-74245	1/2	12.7	1.19	30.2	1.57	39.9	3.46	87.9	1.99	50.6	.27	6.9	.57
8GS-12FL90M	7347-74265	1/2	12.7	1.50	38.1	2.28	57.9	3.46	87.9	1.98	50.3	.27	6.9	.84
10GS-12FL90M	7347-74355	5/8	15.9	1.50	38.1	2.28	57.9	4.33	110.0	2.35	59.7	.27	6.9	.59
12GS-8FL90-050	7347-76035	3/4	19.1	1.19	30.2	1.97	50.0	4.80	121.9	2.80	71.1	.27	6.9	.48
12GS-12FL90-100	7347-73905	3/4	19.1	1.50	38.1	3.94	100.1	4.41	112.0	2.40	61.0	.27	6.9	.86
12GS-12FL90-125	7347-73985	3/4	19.1	1.50	38.1	4.92	125.0	4.80	121.9	2.80	71.1	.27	6.9	.97
12GS-12FL90M	7347-74445	3/4	19.1	1.50	38.1	2.28	57.9	4.41	112.0	2.40	61.0	.27	6.9	.73
12GS-16FL90-080	7347-76805	3/4	19.1	1.75	44.5	3.15	80.0	5.04	128.0	3.03	77.0	.32	8.1	.08
12GS-16FL90-178	7347-79025	3/4	19.1	1.75	44.5	7.01	178.1	4.41	112.0	2.38	60.5	.32	8.1	1.22
12GS-16FL90M	7347-73925	3/4	19.1	1.75	44.5	2.76	70.1	4.41	112.0	2.40	61.0	.32	8.1	.84
12GS-16FL90S	7347-73915	3/4	19.1	1.75	44.5	2.40	61.0	4.41	112.0	2.40	61.0	.32	8.1	.81
12GS-20FL90-054	7347-73995	3/4	19.1	2.00	50.8	2.13	54.1	5.16	131.1	3.15	80.0	.32	8.1	.99
12GS-20FL90-125	7347-78375	3/4	19.1	2.00	50.8	4.92	125.0	4.76	120.9	2.76	70.1	.32	8.1	1.10
16GS-12FL90	7347-73255	1	25.4	1.50	38.1	3.15	80.0	5.31	134.9	3.10	78.7	.27	6.9	1.17
16GS-12FL90M	7347-74535	1	25.4	1.50	38.1	2.28	57.9	5.31	134.9	5.08	129.0	.27	6.9	.86
16GS-16FL90-120	7347-73165	1	25.4	1.75	44.5	4.72	119.9	5.28	134.1	3.04	77.2	.32	8.1	.97
16GS-16FL90-210	7347-78875	1	25.4	1.75	44.5	8.27	210.1	5.28	134.1	3.02	76.7	.32	8.1	.91
16GS-16FL90M	7347-74555	1	25.4	1.75	44.5	2.76	70.1	5.31	134.9	3.09	78.5	.32	8.1	1.24
16GS-16FL90S	7347-47555	1	25.4	1.75	44.5	2.40	61.0	5.31	134.9	3.09	78.5	.32	8.1	1.22
16GS-20FL90M	7347-74565	1	25.4	2.00	50.8	3.54	89.9	5.28	134.1	2.99	76.0	.32	8.1	1.33
16GS-20FL90S	7347-47565	1	25.4	2.00	50.8	2.68	68.1	5.28	134.1	3.02	76.7	.32	8.1	.88
16GS-24FL90-060	7347-73975	1	25.4	2.38	60.5	2.36	59.9	5.71	145.0	3.47	88.1	.32	8.1	1.50
16GS-24FL90S	7347-47575	1	25.4	2.38	60.5	3.19	81.0	5.28	134.1	3.04	77.2	.32	8.1	1.42
20GS-16FL90-215	7347-78885	1 1/4	31.8	1.75	44.5	8.46	214.9	6.30	160.0	3.50	88.9	.32	8.1	2.47
20GS-16FL90M	7347-74635	1 1/4	31.8	1.75	44.5	2.76	70.1	6.30	160.0	3.50	88.9	.32	8.1	1.61
20GS-20FL90-168	7347-76105	1 1/4	31.8	2.00	50.8	6.61	167.9	6.54	166.1	3.74	95.0	.32	8.1	3.36
20GS-20FL90M	7347-74645	1 1/4	31.8	2.00	50.8	3.54	89.9	6.50	165.1	3.70	94.0	.32	8.1	2.40
20GS-20FL90S	7347-47645	1 1/4	31.8	2.00	50.8	2.68	68.1	6.50	165.1	3.70	94.0	.32	8.1	1.89
20GS-24FL90-118	7347-76085	1 1/4	31.8	2.38	60.5	4.65	118.1	6.50	165.1	3.70	94.0	.32	8.1	2.90
20GS-24FL90S	7347-47655	1 1/4	31.8	2.38	60.5	3.19	81.0	6.50	165.1	3.70	94.0	.32	8.1	2.49

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

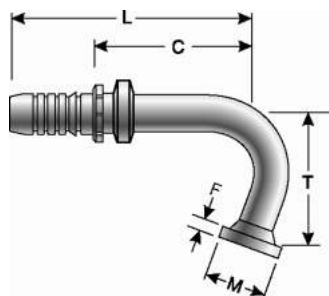
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange - 100° Bent Tube

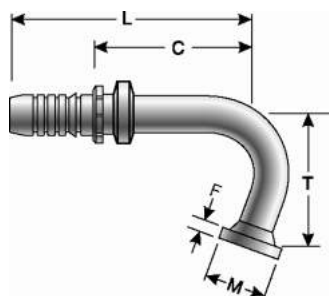
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-16FL100-059	7347-78055	3/4	19.1	1.75	44.5	2.32	58.9	4.93	125.2	2.92	74.2	.32	8.1	.81

## Code 61 O-Ring Flange - 110° Bent Tube

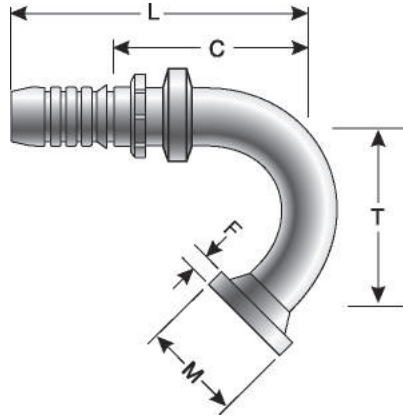
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FL110-064	7347-76025	3/4	19.1	1.50	38.1	2.52	64.0	5.16	131.1	3.15	80.0	.27	6.9	.77
16GS-16FL110-073	7347-73005	1	25.4	1.75	44.5	2.87	72.9	5.83	148.1	3.61	91.7	.32	8.1	1.02
16GS-20FL110-073	7347-76455	1	25.4	2.00	50.8	2.87	72.9	4.65	118.1	2.41	61.2	.32	8.1	1.20
20GS-20FL110-080	7347-76115	1 1/4	31.8	2.00	50.8	3.15	80.0	7.13	181.1	4.33	110.0	.32	8.1	2.13
20GS-24FL110-080	7347-76125	1 1/4	31.8	2.38	60.5	3.15	80.0	7.13	181.1	4.33	110.0	.32	8.1	2.77

## Code 61 O-Ring Flange - 135° Bent Tube

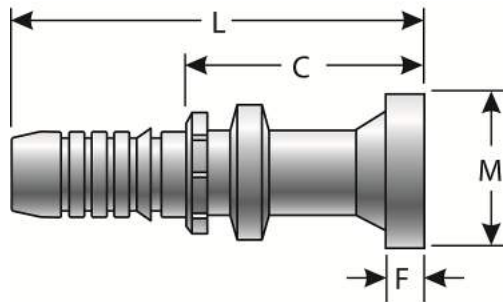
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FL135-070	7347-76825	3/4	19.1	1.50	38.1	2.76	70.1	3.82	97.0	1.81	46.0	.27	6.9	.07

## Code 61 Komatsu Style O-Ring Flange

-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-10FLK	7347-55255	1/2	12.7	1.35	34.3	3.21	81.5	1.74	44.2	.27	6.9	.29
10GS-10FLK	7347-73335	5/8	15.9	1.35	34.3	4.49	114.1	2.51	63.8	.27	6.9	.42
12GS-10FLK	7347-73375	3/4	19.1	1.35	34.3	4.33	110.0	2.32	58.9	.27	6.9	.42

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

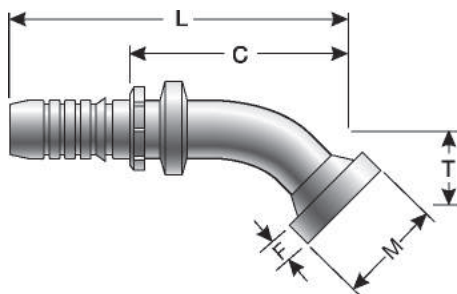
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Code 61 Komatsu Style O-Ring Flange - 45° Bent Tube**

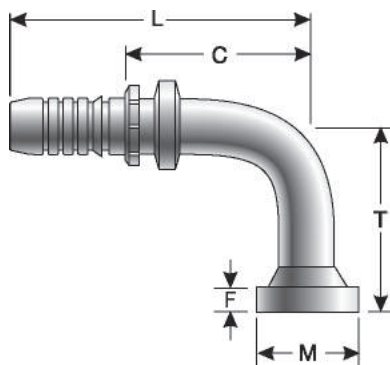
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
10GS-10FLK45-026	7347-73365	5/8	15.9	1.35	34.3	1.02	25.9	4.76	120.9	2.78	70.6	.27	6.9	.48

**Code 61 Komatsu Style O-Ring Flange - 90° Bent Tube**

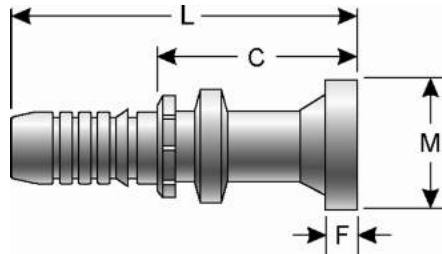
-8FL, -12FL, -16FL Max. W.P. 5,000 psi; -20FL Max. W.P. 4,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
10GS-10FLK90-055	7347-73355	5/8	15.9	1.35	34.3	2.17	55.1	4.33	110.0	2.35	59.7	.27	6.9	.53
12GS-10FLK90-055	7347-73695	3/4	19.1	1.35	34.3	2.17	55.1	4.65	118.1	2.64	67.1	.27	6.9	.59

## Code 62 O-Ring Flange Heavy

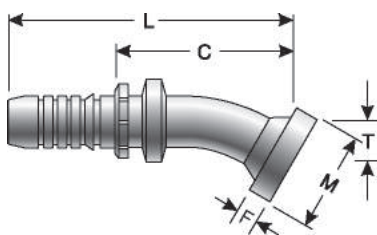
All FLH sizes Maximum Working Pressure 6,000 PSI.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FLH	7347-48245	1/2	12.7	1.25	31.8	3.66	93.0	2.19	55.6	.31	7.9	.31
8GS-12FLH	7347-48265	1/2	12.7	1.63	41.4	3.66	93.0	2.19	55.6	.35	8.9	.37
10GS-8FLH	7347-48335	5/8	15.9	1.25	31.8	4.29	109.0	2.31	58.7	.31	7.9	.37
10GS-12FLH	7347-48355	5/8	15.9	1.63	41.4	4.29	109.0	2.31	58.7	.35	8.9	.50
12GS-12FLH	7347-48445	3/4	19.1	1.63	41.4	4.49	114.1	2.48	63.0	.35	8.9	.59
12GS-16FLH	7347-48465	3/4	19.1	1.88	47.8	4.49	114.1	2.48	63.0	.38	9.7	.57
16GS-12FLH	7347-48535	1	25.4	1.63	41.4	5.08	129.0	2.86	72.6	.35	8.9	1.13
16GS-16FLH	7347-48555	1	25.4	1.88	47.8	4.92	125.0	2.70	68.6	.38	9.7	.97
16GS-20FLH	7347-48565	1	25.4	2.13	54.1	4.92	125.0	2.69	68.3	.41	10.4	.88
20GS-16FLH	7347-48635	1 1/4	31.8	1.88	47.8	6.42	163.1	3.62	92.0	.38	9.7	1.39
20GS-20FLH	7347-48645	1 1/4	31.8	2.13	54.1	5.75	146.1	2.95	74.9	.41	10.4	1.62
20GS-24FLH	7347-48655	1 1/4	31.8	2.50	63.5	6.30	160.0	3.50	88.9	.50	12.7	1.98

## Code 62 O-Ring Flange Heavy - 22 1/2° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-16FLH22M	7347-49465	3/4	19.1	1.88	47.8	.55	14.0	5.43	137.9	3.43	87.1	.38	9.7	.77
16GS-16FLH22M	7347-49555	1	25.4	1.88	47.8	.55	14.0	6.10	154.9	3.88	98.6	.38	9.7	1.13
16GS-20FLH22M	7347-49565	1	25.4	2.13	54.1	.59	15.0	6.61	167.9	4.52	114.8	.41	10.4	1.30
20GS-20FLH22M	7347-49645	1 1/4	31.8	2.13	54.1	.59	15.0	7.32	185.9	4.52	114.8	.41	10.4	2.14
20GS-24FLH22M	7347-49655	1 1/4	31.8	2.50	63.5	.71	18.0	7.40	188.0	4.60	116.8	.50	12.7	2.49

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

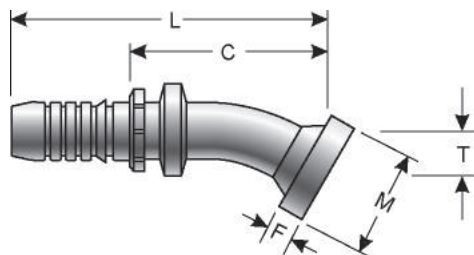
ACCESSORIES

EQUIPMENT AND  
PARTS



## Code 62 O-Ring Flange Heavy - 30° Bent Tube

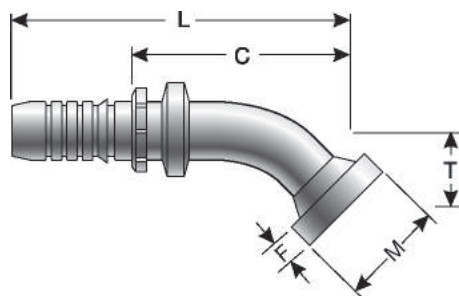
All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLH30M	7347-50445	3/4	19.1	1.63	41.4	.63	16.0	5.08	129.0	3.07	78.0	.35	8.9	.60
12GS-16FLH30M	7347-50465	3/4	19.1	1.88	47.8	.75	19.1	5.08	129.0	3.07	78.0	.38	9.7	.77
16GS-16FLH30M	7347-50555	1	25.4	1.88	47.8	.75	19.1	6.02	152.9	3.80	96.5	.38	9.7	1.13
16GS-20FLH30M	7347-50565	1	25.4	2.13	54.1	1.50	38.1	6.22	158.0	3.98	101.1	.41	10.4	1.30
20GS-20FLH30M	7347-50645	1 1/4	31.8	2.13	54.1	.87	22.1	7.24	183.9	4.44	112.8	.41	10.4	2.09
20GS-24FLH30M	7347-50655	1 1/4	31.8	2.50	63.5	1.18	30.0	7.24	183.9	4.44	112.8	.50	12.7	2.55

## Code 62 O-Ring Flange Heavy - 45° Bent Tube

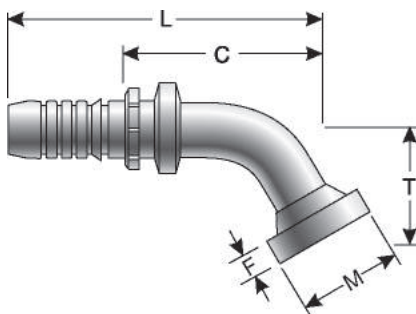
All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FLH45M	7347-51245	1/2	12.7	1.25	31.8	.75	19.1	3.70	94.0	2.22	56.4	.31	7.9	.30
8GS-12FLH45M	7347-51265	1/2	12.7	1.63	41.4	1.02	25.9	3.98	101.1	2.50	63.5	.35	8.9	.42
10GS-12FLH45M	7347-51355	5/8	15.9	1.63	41.4	1.02	25.9	5.00	127.0	3.02	76.7	.35	8.9	.60
12GS-8FLH45M	7347-51425	3/4	19.1	1.25	31.8	.75	19.1	4.56	115.8	2.55	64.8	.31	7.9	.43
12GS-12FLH45M	7347-51445	3/4	19.1	1.63	41.4	1.02	25.9	4.88	124.0	2.87	72.9	.35	8.9	.66
12GS-16FLH45M	7347-51465	3/4	19.1	1.88	47.8	1.26	32.0	5.12	130.1	3.11	79.0	.38	9.7	.77
16GS-12FLH45M	7347-51535	1	25.4	1.63	41.4	1.02	25.9	5.55	141.0	3.33	84.6	.35	8.9	.95
16GS-16FLH45M	7347-51555	1	25.4	1.88	47.8	1.26	32.0	5.79	147.1	3.57	90.7	.38	9.7	1.13
16GS-20FLH45M	7347-51565	1	25.4	2.13	54.1	1.50	38.1	6.22	158.0	3.98	101.1	.41	10.4	.95
20GS-16FLH45M	7347-51635	1 1/4	31.8	1.88	47.8	1.26	32.0	6.73	170.9	3.93	99.8	.38	9.7	1.50
20GS-20FLH45M	7347-51645	1 1/4	31.8	2.13	54.1	1.50	38.1	6.93	176.0	4.13	104.9	.41	10.4	2.04
20GS-24FLH45M	7347-51655	1 1/4	31.8	2.50	63.5	1.73	43.9	6.93	176.0	4.13	104.9	.50	12.7	2.55

## Code 62 O-Ring Flange Heavy - 60° Bent Tube

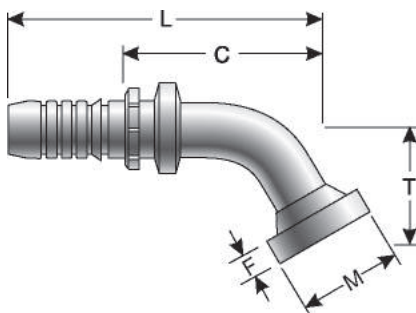
All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLH60M	7347-52445	3/4	19.1	1.63	41.4	1.46	37.1	5.39	136.9	3.39	86.1	.35	8.9	.99
12GS-16FLH60M	7347-52465	3/4	19.1	1.88	47.8	1.73	43.9	5.35	135.9	3.35	85.1	.38	9.7	.81
16GS-16FLH60M	7347-52555	1	25.4	1.88	47.8	1.73	43.9	6.18	157.0	3.96	100.6	.38	9.7	1.28
20GS-20FLH60M	7347-52645	1 1/4	31.8	2.13	54.1	2.17	55.1	7.32	185.9	4.52	114.8	.41	10.4	2.29
20GS-24FLH60M	7347-52655	1 1/4	31.8	2.50	63.5	2.52	64.0	7.64	194.1	4.84	122.9	.50	12.7	2.84

## Code 62 O-Ring Flange Heavy - 67 1/2° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
16GS-16FLH67M	7347-53555	1	25.4	1.88	47.8	2.01	51.1	5.94	150.9	3.72	94.5	.38	9.7	1.28

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

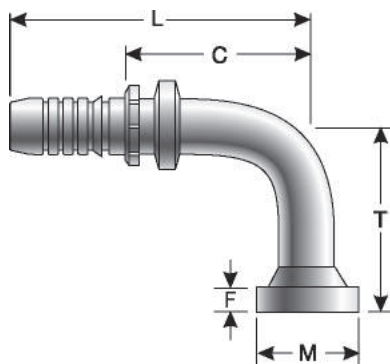
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 62 O-Ring Flange Heavy - 90° Bent Tube

All FLH sizes Maximum Working Pressure 6,000 PSI.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8GS-8FLH90-080	7347-73825	1/2	12.7	1.25	31.8	3.15	80.0	3.46	87.9	1.99	50.6	.31	7.9	.40
8GS-8FLH90M	7347-75245	1/2	12.7	1.25	31.8	1.57	39.9	3.46	87.9	1.99	50.6	.31	7.9	.57
8GS-12FLH90M	7347-75265	1/2	12.7	1.63	41.4	2.28	57.9	3.46	87.9	1.99	50.6	.35	8.9	.46
10GS-8FLH90M	7347-75335	5/8	15.9	1.25	31.8	1.57	39.9	4.45	113.0	2.47	62.7	.31	7.9	.59
10GS-12FLH90M	7347-75355	5/8	15.9	1.63	41.4	2.28	57.9	4.33	110.0	2.35	59.7	.35	8.9	.66
12GS-12FLH90-100	7347-73835	3/4	19.1	1.63	41.4	3.94	100.1	4.41	112.0	2.40	61.0	.35	8.9	.90
12GS-12FLH90-122	7347-76415	3/4	19.1	1.63	41.4	4.80	121.9	4.80	121.9	2.80	71.1	.35	8.9	.99
12GS-12FLH90M	7347-75445	3/4	19.1	1.63	41.4	2.28	57.9	4.41	112.0	2.40	61.0	.35	8.9	.75
12GS-16FLH90-140	7347-76715	3/4	19.1	1.88	47.8	5.51	140.0	4.57	116.1	2.56	65.0	.38	9.7	1.10
12GS-16FLH90M	7347-73935	3/4	19.1	1.88	47.8	2.76	70.1	4.41	112.0	2.40	61.0	.38	9.7	.92
12GS-16FLH90S	7347-54465	3/4	19.1	1.88	47.8	2.40	61.0	4.41	112.0	2.40	61.0	.38	9.7	.83
12GS-20FLH90M	7347-75475	3/4	19.1	2.13	54.1	3.54	89.9	4.80	121.9	2.80	71.1	.41	10.4	.54
16GS-12FLH90M	7347-54535	1	25.4	1.63	41.4	2.28	57.9	5.31	134.9	3.09	78.5	.35	8.9	1.28
16GS-16FLH90-090	7347-78105	1	25.4	1.88	47.8	3.54	89.9	5.52	140.2	3.28	83.3	.38	9.7	1.32
16GS-16FLH90-120	7347-73015	1	25.4	1.88	47.8	4.72	119.9	5.28	134.1	3.04	77.2	.38	9.7	1.50
16GS-16FLH90M	7347-75555	1	25.4	1.88	47.8	2.76	70.1	5.31	134.9	3.09	78.5	.38	9.7	1.30
16GS-16FLH90S	7347-54555	1	25.4	1.88	47.8	2.40	61.0	5.31	134.9	3.09	78.5	.38	9.7	1.28
16GS-20FLH90M	7347-75565	1	25.4	2.13	54.1	3.54	89.9	5.28	134.1	3.02	76.7	.41	10.4	1.44
16GS-20FLH90S	7347-54565	1	25.4	2.13	54.1	2.68	68.1	5.28	134.1	3.02	76.7	.41	10.4	1.07
16GS-24FLH90S	7347-54575	1	25.4	2.50	63.5	3.19	81.0	5.28	134.1	3.04	77.2	.50	12.7	2.00
20GS-16FLH90-100	7347-76185	1 1/4	31.8	1.88	47.8	3.94	100.1	6.30	160.0	3.50	88.9	.38	9.7	1.83
20GS-16FLH90M	7347-75635	1 1/4	31.8	1.88	47.8	2.76	70.1	6.30	160.0	3.50	88.9	.38	9.7	1.67
20GS-16FLH90S	7347-54635	1 1/4	31.8	1.88	47.8	2.40	61.0	6.30	160.0	3.50	88.9	.38	9.7	1.61
20GS-20FLH90-076	7347-73635	1 1/4	31.8	2.13	54.1	2.99	76.0	6.50	165.1	3.70	94.0	.41	10.4	2.42
20GS-20FLH90-120	7347-76135	1 1/4	31.8	2.13	54.1	4.72	119.9	6.50	165.1	3.70	94.0	.41	10.4	2.95
20GS-20FLH90-152	7347-76485	1 1/4	31.8	2.13	54.1	5.98	151.9	6.50	165.1	3.70	94.0	.41	10.4	3.21
20GS-20FLH90M	7347-75645	1 1/4	31.8	2.13	54.1	3.54	89.9	6.50	165.1	3.70	94.0	.41	10.4	2.45
20GS-24FLH90S	7347-54655	1 1/4	31.8	2.50	63.5	3.19	81.0	6.50	165.1	3.70	94.0	.50	12.7	2.91

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

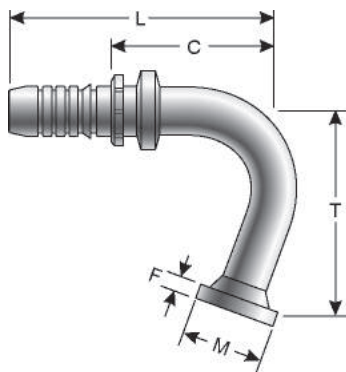
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 62 O-Ring Flange Heavy - 110° Bent Tube

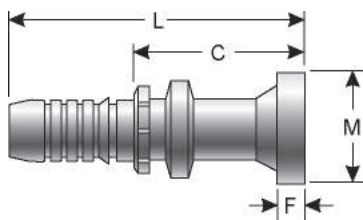
All FLH sizes Maximum Working Pressure 6,000 PSI.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLH110-064	7347-78525	3/4	19.1	1.50	38.1	2.76	70.1	3.82	97.0	1.81	46.0	.27	6.9	.80

## Caterpillar Style O-Ring Flange

NOTE: These FLC flanges are designed with a thicker flange head. The .56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLC	7347-62445	3/4	19.1	1.63	41.4	5.71	145.0	3.70	94.0	.56	14.2	.86
12GS-16FLC	7347-62465	3/4	19.1	1.88	47.8	5.71	145.0	3.70	94.0	.56	14.2	.92
16GS-16FLC	7347-62555	1	25.4	1.88	47.8	6.10	154.9	3.87	98.3	.56	14.2	1.19
16GS-20FLC	7347-62565	1	25.4	2.13	54.1	6.10	154.9	3.87	98.3	.56	14.2	1.30
20GS-20FLC	7347-62645	1 1/4	31.8	2.13	54.1	7.36	186.9	4.56	115.8	.56	14.2	2.09
20GS-24FLC	7347-62655	1 1/4	31.8	2.50	63.5	7.36	186.9	4.56	115.8	.56	14.2	2.37

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

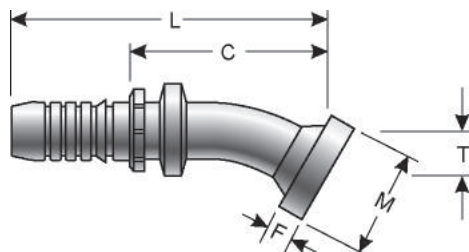
ACCESSORIES

EQUIPMENT AND  
PARTS

## Caterpillar Style O-Ring Flange - 22 1/2° Bent Tube

NOTE: These FLC flanges are designed with a thicker flange head. The .56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.

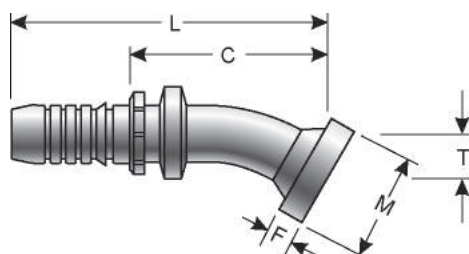


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLC22-016	7347-63445	3/4	19.1	1.63	41.4	.63	16.0	5.63	143.0	3.62	92.0	.56	14.2	.86
16GS-16FLC22-017	7347-63555	1	25.4	1.88	47.8	.67	17.0	6.02	152.9	3.78	96.0	.56	14.2	1.19
16GS-20FLC22-017	7347-63565	1	25.4	2.13	54.1	.67	17.0	6.02	152.9	3.78	96.0	.56	14.2	1.30
20GS-20FLC22-017	7347-63645	1 1/4	31.8	2.13	54.1	.67	17.0	7.28	184.9	4.48	113.8	.56	14.2	2.14
20GS-24FLC22-017	7347-63655	1 1/4	31.8	2.50	63.5	.67	17.0	7.28	184.9	4.48	113.8	.56	14.2	2.37

## Caterpillar Style O-Ring Flange - 30° Bent Tube

NOTE: These FLC flanges are designed with a thicker flange head. The .56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.

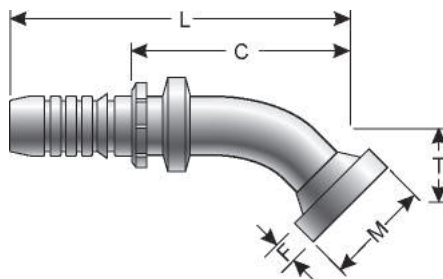


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLC30-022	7347-64445	3/4	19.1	1.63	41.4	.87	22.1	5.51	140.0	3.50	88.9	.56	14.2	.86
12GS-16FLC30-022	7347-64465	3/4	19.1	1.88	47.8	.87	22.1	5.55	141.0	3.54	89.9	.56	14.2	.95
16GS-16FLC30-023	7347-64555	1	25.4	1.88	47.8	.91	23.1	5.94	150.9	3.69	93.7	.56	14.2	1.22
16GS-20FLC30-023	7347-64565	1	25.4	2.13	54.1	.91	23.1	5.94	150.9	3.69	93.7	.56	14.2	1.30
20GS-20FLC30-024	7347-64645	1 1/4	31.8	2.13	54.1	.94	23.9	7.20	182.9	4.41	112.0	.56	14.2	2.09
20GS-24FLC30-024	7347-64655	1 1/4	31.8	2.50	63.5	.94	23.9	7.20	182.9	4.41	112.0	.56	14.2	2.37

## Caterpillar Style O-Ring Flange - 45° Bent Tube

NOTE: These FLC flanges are designed with a thicker flange head. The .56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.

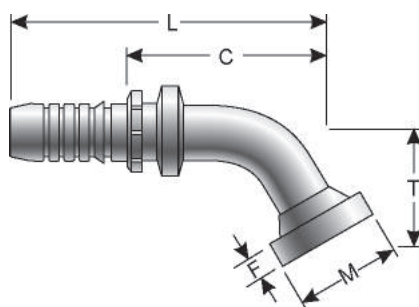


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLC45-035	7347-65445	3/4	19.1	1.63	41.4	1.38	35.1	5.24	133.1	3.23	82.0	.56	14.2	.86
12GS-12FLC45-066	7347-76425	3/4	19.1	1.63	41.4	2.60	66.0	6.50	165.1	4.49	114.1	.56	14.2	.94
12GS-16FLC45-035	7347-65465	3/4	19.1	1.88	47.8	1.38	35.1	5.24	133.1	3.23	82.0	.56	14.2	.95
16GS-16FLC45-037	7347-65555	1	25.4	1.88	47.8	1.46	37.1	5.63	143.0	3.40	86.4	.56	14.2	1.19
16GS-20FLC45-037	7347-65565	1	25.4	2.13	54.1	1.46	37.1	5.63	143.0	3.40	86.4	.56	14.2	1.30
20GS-20FLC45-037	7347-65645	1 1/4	31.8	2.13	54.1	1.46	37.1	6.93	176.0	4.13	104.9	.56	14.2	2.09
20GS-24FLC45-037	7347-65655	1 1/4	31.8	2.50	63.5	1.46	37.1	6.93	176.0	4.13	104.9	.56	14.2	2.31

## Caterpillar Style O-Ring Flange - 60° Bent Tube

NOTE: These FLC flanges are designed with a thicker flange head. The .56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-16FLC60-048	7347-66465	3/4	19.1	1.88	47.8	1.89	48.0	5.75	146.1	3.74	95.0	.56	14.2	.95
16GS-16FLC60-050	7347-66555	1	25.4	1.88	47.8	1.97	50.0	6.42	163.1	4.17	105.9	.56	14.2	1.28
16GS-20FLC60-050	7347-66565	1	25.4	2.13	54.1	1.97	50.0	6.42	163.1	4.17	105.9	.56	14.2	1.41
20GS-20FLC60-052	7347-66645	1 1/4	31.8	2.13	54.1	2.05	52.1	7.80	198.1	5.00	127.0	.56	14.2	2.44
20GS-24FLC60-052	7347-66655	1 1/4	31.8	2.50	63.5	2.05	52.1	7.80	198.1	5.00	127.0	.56	14.2	2.73

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

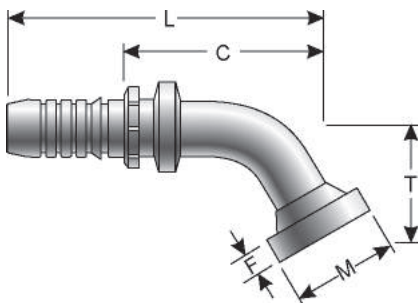
ACCESSORIES

EQUIPMENT AND  
PARTS

## Caterpillar Style O-Ring Flange - 67 1/2° Bent Tube

NOTE: These FLC flanges are designed with a thicker flange head. The .56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.

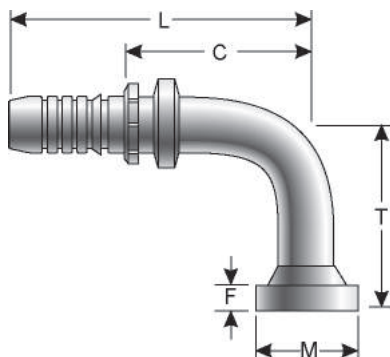


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
16GS-16FLC67-057	7347-67555	1	25.4	1.88	47.8	2.24	56.9	6.14	156.0	3.90	99.1	.56	14.2	1.28
16GS-20FLC67-057	7347-67565	1	25.4	2.13	54.1	2.24	56.9	6.14	156.0	3.90	99.1	.56	14.2	1.41
20GS-20FLC67-059	7347-67645	1 1/4	31.8	2.13	54.1	2.32	58.9	7.52	191.0	4.72	119.9	.56	14.2	2.44
20GS-24FLC67-059	7347-67655	1 1/4	31.8	2.50	63.5	2.32	58.9	7.52	191.0	4.72	119.9	.56	14.2	2.73

## Caterpillar Style O-Ring Flange - 90° Bent Tube

NOTE: These FLC flanges are designed with a thicker flange head. The .56" flange dimension is frequently found on Caterpillar equipment. These flanges let the user utilize the existing Caterpillar flange halves or new Gates Caterpillar flange halves. At the user's option, standard Code 62 flanges and halves can be used in place of Caterpillar flanges and halves. The standard Code 62 flange head thickness ranges between .305" and .495".

See Accessories for O-Rings.

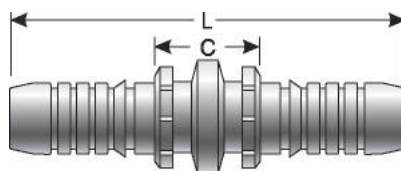


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FLC90-068	7347-73945	3/4	19.1	1.63	41.4	2.68	68.1	4.92	125.0	2.91	73.9	.56	14.2	.88
12GS-12FLC90-128	7347-76015	3/4	19.1	1.63	41.4	5.04	128.0	4.61	117.1	2.60	66.0	.56	14.2	1.10
12GS-16FLC90-068	7347-73955	3/4	19.1	1.88	47.8	2.68	68.1	4.61	117.1	2.60	66.0	.56	14.2	1.01
16GS-16FLC90-074	7347-68555	1	25.4	1.88	47.8	2.91	73.9	5.16	131.1	2.92	74.2	.56	14.2	1.28
16GS-16FLC90-132	7347-73035	1	25.4	1.88	47.8	5.20	132.1	5.16	131.1	2.92	74.2	.56	14.2	1.55
16GS-20FLC90-074	7347-68565	1	25.4	2.13	54.1	2.91	73.9	5.16	131.1	2.92	74.2	.56	14.2	1.41
16GS-20FLC90-132	7347-68585	1	25.4	2.13	54.1	5.19	131.8	5.15	130.8	2.92	74.2	.56	14.2	1.84
20GS-20FLC90-077	7347-68645	1 1/4	31.8	2.13	54.1	3.03	77.0	6.54	166.1	3.74	95.0	.56	14.2	2.44
20GS-20FLC90-150	7347-68685	1 1/4	31.8	2.13	54.1	5.90	149.9	9.48	240.8	6.70	170.2	.56	14.2	4.03

## Caterpillar Style O-Ring Flange - 90° Bent Tube - Continued

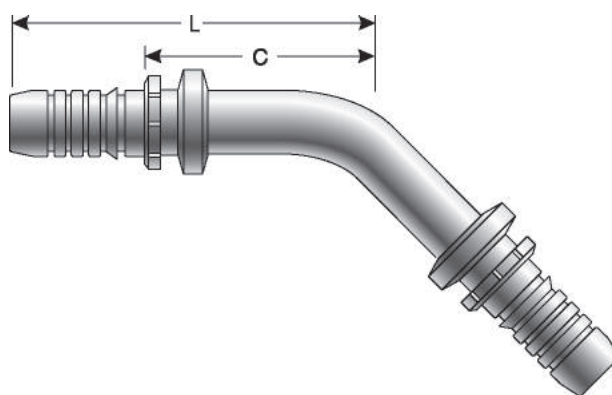
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
20GS-24FLC90-077	7347-68655	1 1/4	31.8	2.50	63.5	3.03	77.0	6.54	166.1	3.74	95.0	.56	14.2	2.66

## Hose Length Extender



Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
8GS-8HLE	7347-73265	1/2	12.7	3.70	94.0	.75	19.1	.13
12GS-12HLE	7347-76815	3/4	19.1	4.80	121.9	.78	19.8	.30
16GS-16HLE	7347-76625	1	25.4	5.43	137.9	.98	24.9	.50
20GS-20HLE	7347-78585	1 1/4	31.8	6.77	172.0	1.17	29.7	1.15

## Hose Length Extender - 45° Bent Tube



Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
20GS-20HLE45-103	7347-78895	1 1/4	31.8	9.80	248.9	6.19	157.2	2.53

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

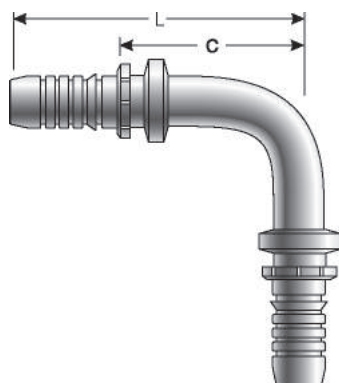
LIVE SWIVEL

BALL VALVES

ACCESSORIES

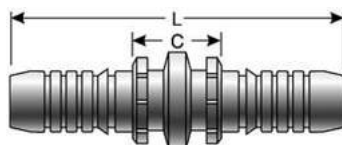
EQUIPMENT AND  
PARTS

## Hose Length Extender - 90° Bent Tube



Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
8GS-8HLE90-086	7347-73195	1/2	12.7	3.39	86.1	1.91	48.5	.35
12GS-12HLE90-112	7347-73965	3/4	19.1	4.39	111.5	2.38	60.5	.90
16GS-16HLE90-127	7347-73705	1	25.4	5.00	127.0	2.76	70.1	1.21
20GS-20HLE90-155	7347-76705	1 1/4	31.8	6.10	154.9	3.30	83.8	2.55

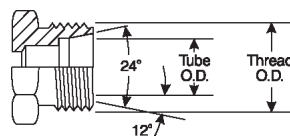
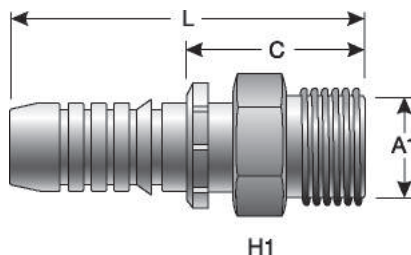
## Hose Length Extender Caterpillar




Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
12GS-12HLEC	7347-76405	3/4	19.1	6.42	163.1	2.40	61.0	.57
16GS-16HLEC	7347-76395	1	25.4	7.09	180.1	2.61	66.3	.85

## Male DIN 24° Cone - Light Series

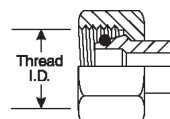
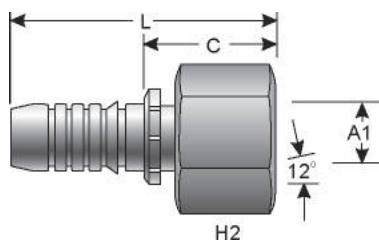
Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.




Descr.	Prod. No.	⌀			H1	L		C		A1	Weight (Lbs.)
		"	mm			"	mm	"	mm		
6GS-12MDL	7347-93445	3/8	9.5	M18X1.5	22	2.51	63.8	1.10	27.9	12.0	.09
8GS-15MDL	7347-90625	1/2	12.7	M22X1.5	24	2.48	63.0	1.00	25.4	15.0	.14
12GS-22MDL	7347-93565	3/4	19.1	M30X2.0	32	3.13	79.5	1.12	28.5	22.0	.32
16GS-28MDL	7347-91495	1	25.4	M36X2.0	41	3.54	89.9	1.31	33.3	28.0	.05

## Female DIN 24° Cone Swivel - Light Series with O-Ring

Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⌀			H2	L		C		A1	Weight (Lbs.)
		"	mm			"	mm	"	mm		
6GS-12FDLORX	7347-92815	3/8	9.5	M18X1.5	22	2.87	72.9	1.46	37.1	12.0	.17
8GS-15FDLORX	7347-90595	1/2	12.7	M22X1.5	22	2.87	72.9	1.40	35.6	15.0	.43
10GS-18FDLORX	7347-92105	5/8	15.9	M26X1.5	32	3.61	91.7	1.63	41.4	18.0	.42
12GS-22FDLORX	7347-92125	3/4	19.1	M30X2.0	36	3.82	97.0	1.81	46.0	22.0	.60
12GS-28FDLORX	7347-92165	3/4	19.1	M36X2.0	41	3.90	99.1	1.89	48.1	28.0	.70
16GS-28FDLORX	7347-90795	1	25.4	M36X2.0	41	4.13	104.9	1.91	48.5	28.0	.84
20GS-35FDLORX	7347-94135	1 1/4	31.8	M45X2.0	50	5.21	132.3	2.41	61.2	35.0	1.68

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

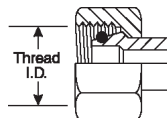
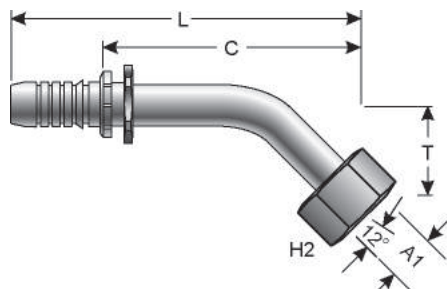
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube

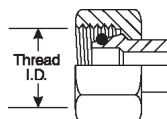
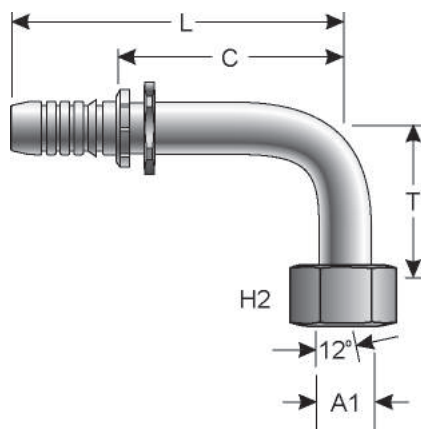
Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		M	H2	T		L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	mm	
8GS-15FDLORX45	7347-90605	1/2	12.7	M22X1.5	27	.79	20.1	3.72	94.5	2.25	57.2	15.0	.30
12GS-22FDLORX45	7347-92525	3/4	19.1	M30X2.0	36	1.17	29.7	5.35	135.9	3.34	84.8	22.0	.70
16GS-28FDLORX45	7347-91525	1	25.4	M36X2.0	41	1.21	30.7	6.12	155.5	3.90	99.1	28.0	1.20

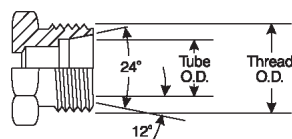
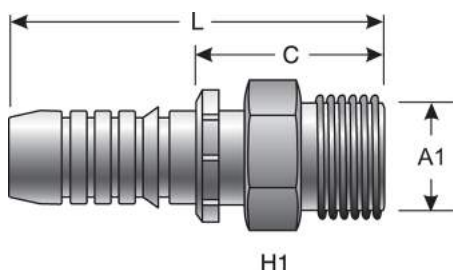
## Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube


Do not use at a pressure above DIN Light ratings.  
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		M	H2	T		L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	mm	
6GS-12FDLORX90	7347-92455	3/8	9.5	M19X1.5	22	1.45	36.8	3.07	78.0	1.66	42.2	12.0	.20
8GS-15FDLORX90	7347-90615	1/2	12.7	M22X1.5	27	1.65	41.9	3.46	87.9	1.98	50.3	15.0	.32
10GS-18FDLORX90	7347-92515	5/8	15.9	M26X1.5	32	2.03	51.6	4.47	113.5	2.49	63.3	18.0	.27
12GS-22FDLORX90M	7347-92135	3/4	19.1	M30X2.0	36	2.44	62.0	4.86	123.4	2.86	72.6	22.0	.88
16GS-28FDLORX90M	7347-90765	1	25.4	M36X2.0	41	2.76	70.1	5.82	147.8	2.71	68.8	28.0	1.39
24GSP-42FDLORX90	7347-94965	1 1/2	38.1	M52X2.0	60	3.62	92.0	7.66	194.6	4.76	120.9	42.0	2.01

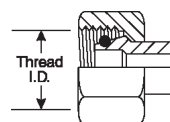
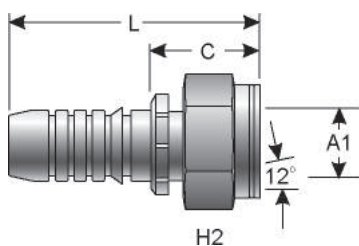
## Male DIN 24° Cone - Heavy Series




Descr.	Prod. No.	⊖			H1	L		C		A1	Weight (Lbs.)
		"	mm			"	mm	"	mm	mm	
6GS-12MDH	7347-01785	3/8	9.5	M20X1.5	22	2.51	63.8	1.10	27.9	12.0	.10
6GS-14MDH	7347-92675	3/8	9.5	M22X1.5	24	2.59	65.8	1.18	30.0	14.0	.16
8GS-16MDH	7347-91325	1/2	12.7	M24X1.5	27	1.17	29.7	1.18	30.0	16.0	.20
10GS-20MDH	7347-92695	5/8	15.9	M30X2.0	32	3.35	85.1	1.37	34.8	20.0	.36
12GS-20MDH	7347-92255	3/4	19.1	M30X2.0	32	3.35	85.1	1.34	34.0	20.0	.38
12GS-25MDH	7347-92265	3/4	19.1	M36X2.0	41	3.50	88.9	1.50	38.1	25.0	.59
12GS-30MDH	7347-93765	3/4	19.1	M42X2.0	46	3.90	99.1	1.06	26.9	30.0	.84
16GS-25MDH	7347-91505	1	25.4	M36X2.0	41	3.82	97.0	1.58	40.1	25.0	.50
16GS-30MDH	7347-91515	1	25.4	M42X2.0	46	3.90	99.1	1.66	42.2	30.0	.78
20GS-38MDH	7347-93295	1 1/4	31.8	M52X2.0	55	4.84	122.9	2.04	51.8	38.0	1.54

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring

Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖			H2	L		C		A1	Weight (Lbs.)
		"	mm			"	mm	"	mm	mm	
6GS-10FDHORX	7347-92635	3/8	9.5	M18X1.5	22	3.24	82.3	1.41	35.8	10.0	.19
6GS-12FDHORX	7347-92645	3/8	9.5	M20X1.5	24	2.87	72.9	1.46	37.1	12.0	.20
6GS-14FDHORX	7347-92085	3/8	9.5	M22X1.5	27	2.97	75.4	1.56	39.6	14.0	.26
8GS-12FDHORX	7347-95195	1/2	12.7	M20X1.5	24	2.87	72.9	1.53	38.9	12.0	.22
8GS-14FDHORX	7347-92095	1/2	12.7	M22X1.5	27	3.01	76.5	1.53	38.9	14.0	.27
8GS-16FDHORX	7347-91335	1/2	12.7	M24X1.5	30	3.11	79.0	1.63	41.4	16.0	.32
8GS-20FDHORX	7347-92715	1/2	12.7	M30X2.0	36	3.11	79.0	1.96	49.9	20.0	.48
10GS-20FDHORX	7347-92115	5/8	15.9	M30X2.0	36	3.94	100.1	1.96	49.9	20.0	.58
10GS-25FDHORX	7347-93425	5/8	15.9	M36X2.0	46	4.09	103.9	2.11	53.6	25.0	.95
12GS-20FDHORX	7347-92145	3/4	19.1	M30X2.0	36	4.06	103.1	2.05	52.1	20.0	.48
12GS-25FDHORX	7347-92155	3/4	19.1	M36X2.0	46	4.23	107.4	2.22	56.4	25.0	.94
16GS-25FDHORX	7347-91535	1	25.4	M36X2.0	46	4.57	116.1	2.35	59.7	25.0	1.16
16GS-30FDHORX	7347-90805	1	25.4	M42X2.0	50	4.65	118.1	2.43	61.7	30.0	1.28
16GS-38FDHORX	7347-94225	1	25.4	M52X2.0	60	4.40	111.8	2.17	55.1	38.0	1.70
20GS-38FDHORX	7347-93305	1 1/4	31.8	M52X2.0	60	5.71	145.0	2.91	73.9	38.0	2.23

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

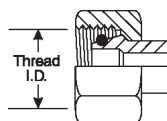
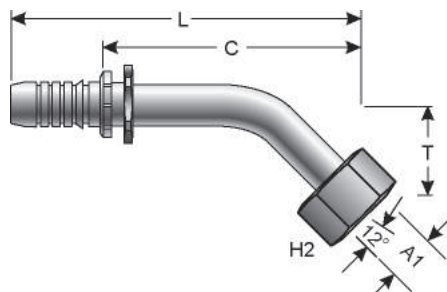
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube

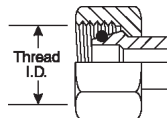
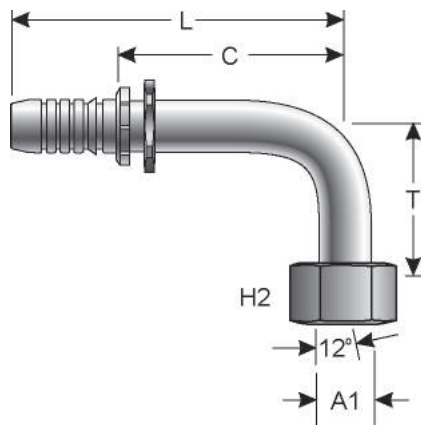
Nut Hex per ISO Draft International Standards 12151-2.



Descr.	Prod. No.	⊖		⌀		H2		T		L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	mm	
6GS-12FDHORX45	7347-92425	3/8	9.5	M20X1.5	24	2.87	72.9	2.97	75.4	1.41	35.8	12.0	.20		
6GS-14FDHORX45	7347-92465	3/8	9.5	M22X1.5	27	2.97	75.4	3.31	84.1	1.46	37.1	14.0	.27		
8GS-16FDHORX45	7347-91345	1/2	12.7	M24X1.5	30	.85	21.6	3.70	94.0	2.23	56.6	16.0	.37		
10GS-20FDHORX45	7347-92325	5/8	15.9	M30X2.0	36	.98	24.9	4.79	121.7	2.81	71.4	20.0	.60		
12GS-20FDHORX45	7347-93285	3/4	19.1	M30X2.0	36	1.17	29.7	6.33	160.8	4.33	110.0	20.0	.90		
12GS-25FDHORX45M	7347-92175	3/4	19.1	M36X2.0	46	1.23	31.2	5.31	134.9	3.40	86.4	25.0	1.14		
16GS-25FDHORX45M	7347-91545	1	25.4	M36X2.0	46	1.38	35.1	3.90	99.1	1.66	42.2	25.0	1.41		
16GS-30FDHORX45	7347-91565	1	25.4	M42X2.0	50	1.38	35.1	6.29	159.8	4.07	103.4	30.0	1.45		
20GS-38FDHORX45M	7347-93415	1 1/4	31.8	M52X2.0	60	1.67	42.4	7.72	196.1	4.92	125.0	38.0	3.08		

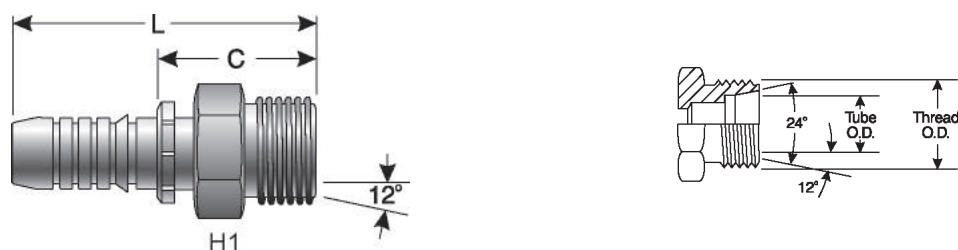
## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube


Nut Hex per ISO Draft International Standards 12151-2.



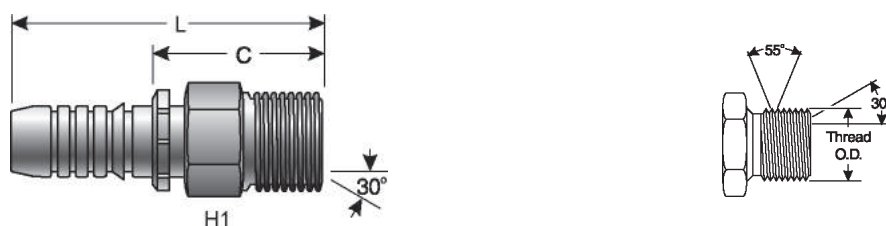
Descr.	Prod. No.	⊖		⌀		H2		T		L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	mm	
6GS-12FDHORX90	7347-92435	3/8	9.5	M20X1.5	24	1.45	36.8	3.07	78.0	1.46	37.1	12.0	.23		
6GS-14FDHORX90	7347-92475	3/8	9.5	M22X1.5	27	1.57	39.9	3.07	78.0	1.66	42.2	14.0	.28		
8GS-16FDHORX90M	7347-91485	1/2	12.7	M24X1.5	30	1.73	43.9	3.39	86.1	1.91	48.5	16.0	.40		
10GS-20FDHORX90M	7347-92335	5/8	15.9	M30X2.0	36	2.01	51.1	4.43	112.5	2.45	62.2	20.0	.73		
12GS-20FDHORX90	7347-92185	3/4	19.1	M30X2.0	36	2.44	62.0	4.86	123.4	2.85	72.4	20.0	.87		
12GS-25FDHORX90M	7347-92195	3/4	19.1	M36X2.0	46	2.52	64.0	4.86	123.4	2.85	72.4	25.0	1.14		
16GS-25FDHORX90	7347-91555	1	25.4	M36X2.0	46	2.99	76.0	5.94	150.9	3.72	94.5	25.0	1.66		
16GS-30FDHORX90M	7347-90775	1	25.4	M42X2.0	50	2.99	76.0	5.81	147.6	3.59	91.2	30.0	1.80		
20GS-38FDHORX90M	7347-93315	1 1/4	31.8	M52X2.0	60	3.43	87.1	7.11	180.6	4.31	109.5	38.0	3.34		


## Male Kobelco Style



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
12GS-22MKB	7347-73665	3/4	19.1	M30X1.5	36	3.35	85.1	1.34	34.0	.42
12GS-28MKB	7347-73675	3/4	19.1	M36X1.5	41	3.62	92.0	1.61	40.9	.66
16GS-28MKB	7347-73095	1	25.4	M36X1.5	50	3.98	101.1	1.74	44.2	.97
16GS-35MKB	7347-73025	1	25.4	M45X1.5	50	3.74	95.0	1.50	38.1	.73

## Male British Standard Pipe Parallel



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6GS-6MBSPP	7347-01775	3/8	9.5	3/8-19	22	2.48	63.0	1.07	27.2	.11
8GS-8MBSPP	7347-91365	1/2	12.7	1/2-14	27	2.66	67.6	1.81	46.0	.19
10GS-10MBSPP	7347-92615	5/8	15.9	5/8-14	30	2.66	67.6	1.18	30.0	.29
10GS-12MBSPP	7347-92625	5/8	15.9	3/4-14	32	3.35	85.1	1.37	34.8	.34
12GS-12MBSPP	7347-92205	3/4	19.1	3/4-14	32	3.35	85.1	1.37	34.8	.36
16GS-16MBSPP	7347-90825	1	25.4	1-11	41	3.86	98.1	1.62	41.2	.60
20GS-20MBSPP	7347-93365	1 1/4	31.8	1 1/4-11	50	4.65	118.1	1.85	47.0	1.21

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

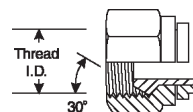
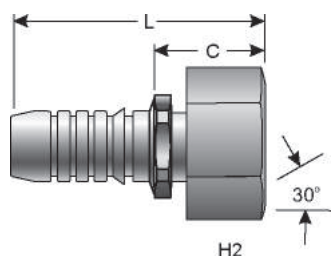
LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

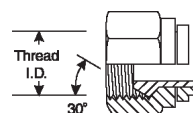
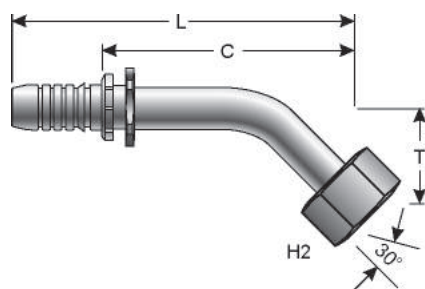
## Female British Standard Parallel Pipe O-Ring Swivel





Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
6GS-6FBSPORX	7347-92235	3/8	9.5	3/8-19	22	2.34	59.4	.93	23.6	.14
6GS-8FBSPORX	7347-92705	3/8	9.5	1/2-14	27	2.40	61.0	.93	23.6	.19
8GS-8FBSPORX	7347-91405	1/2	12.7	1/2-14	27	2.40	61.0	.93	23.6	.22
10GS-10FBSPORX	7347-92405	5/8	15.9	5/8-14	30	3.35	85.1	1.18	30.0	.37
10GS-12FBSPORX	7347-93965	5/8	15.9	3/4-14	30	3.35	85.1	1.37	34.8	1.00
12GS-12FBSPORX	7347-93995	3/4	19.1	3/4-14	32	3.41	86.6	1.40	35.6	.48
12GS-16FBSPORX	7347-92585	3/4	19.1	1-11	41	3.74	95.0	1.40	35.6	.70
16GS-16FBSPORX	7347-90815	1	25.4	1-11	41	3.74	95.0	1.52	38.6	.84
16GS-20FBSPORX	7347-94195	1	25.4	1 1/2	50	3.27	83.1	1.03	26.2	.83
20GS-20FBSPORX	7347-93375	1 1/4	31.8	1 1/4-11	50	4.59	116.6	1.79	45.5	1.47

## Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube

S, M and L Drops and Hex per ISO Working Draft 12151-6.



Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-6FBSPORX45	7347-92345	3/8	9.5	3/8-19	22	.61	15.5	3.27	83.1	1.86	47.2	.18
8GS-8FBSPORX45M	7347-91415	1/2	12.7	1/2-14	27	.67	17.0	3.60	91.4	2.13	54.1	.43
10GS-10FBSPORX45	7347-92285	5/8	15.9	5/8-14	30	1.04	26.4	4.20	106.7	2.25	57.2	.50
12GS-12FBSPORX45	7347-94005	3/4	19.1	3/4-14	32	1.11	28.3	5.22	132.6	3.21	81.6	.73
16GS-16FBSPORX45M	7347-92275	1	25.4	1-11	41	1.22	31.0	6.12	155.5	3.90	99.1	1.25
20GS-20FBSPORX45M	7347-93395	1 1/4	31.8	1 1/4-11	50	1.48	37.6	7.52	191.0	4.72	119.9	2.42

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

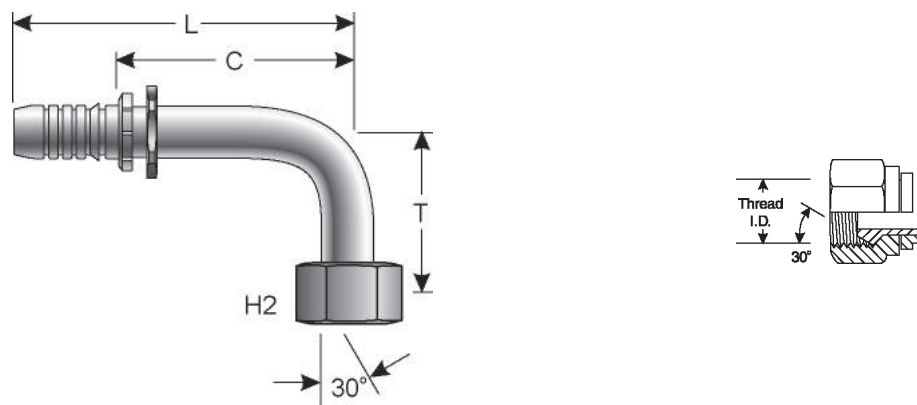
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

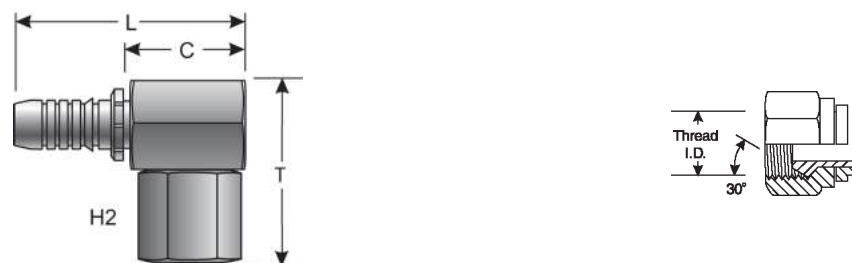
## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube

S, M and L Drops and Hex per ISO Working Draft 12151-6.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
6GS-6FBSPORX90	7347-92355	3/8	9.5	3/8-19	22	1.26	32.0	3.07	78.0	1.66	42.2	.19
8GS-8FBSPORX90M	7347-91425	1/2	12.7	1/2-14	27	1.48	37.6	3.46	87.9	1.99	50.6	.32
10GS-10FBSPORX90	7347-92295	5/8	15.9	5/8-14	30	1.90	48.3	4.70	119.4	2.45	62.2	.55
12GS-12FBSPORX90	7347-94015	3/4	19.1	3/4-14	30	2.36	60.0	4.90	124.2	2.88	73.2	.82
16GS-16FBSPORX90	7347-90785	1	25.4	1-11	41	2.76	70.1	5.81	147.6	3.59	91.2	1.44
20GS-20FBSPORX90M	7347-93405	1 1/4	31.8	1 1/4-11	50	3.15	80.0	7.11	180.6	4.31	109.5	2.77

## Female British Standard Pipe Parallel O-Ring Swivel - 90° Block



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12GS-12FBSPORX90BL	7347-93955	3/4	19.1	3/4-14	32	1.53	38.9	3.07	78.0	1.06	26.9	1.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

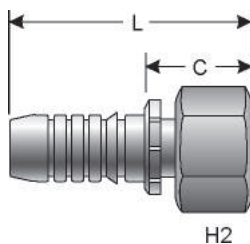
LIVE SWIVEL

BALL VALVES

ACCESSORIES

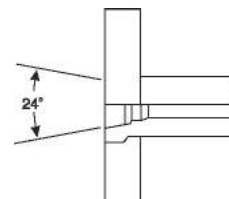
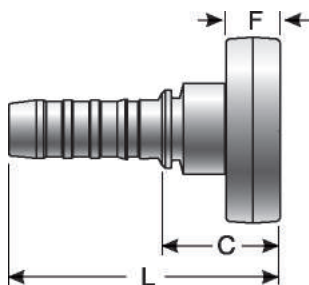
EQUIPMENT AND  
PARTS

## Female British Flat Face Swivel



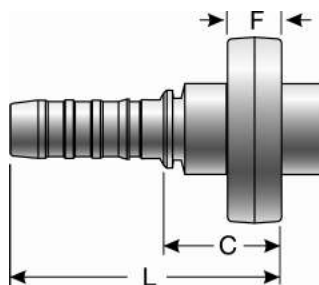
Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
16GS-16FBFFX	7347-78915	1	25.4	1-11	41	3.78	96.0	1.56	39.6	1.01

## Female French GAZ (Poclain) 24° High Pressure Flange



Descr.	Prod. No.	⊖		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
8GS-17FPFL	7347-93215	1/2	12.7	2.72	69.1	1.24	31.5	.56	14.2	.05
10GS-21FPFL	7347-92995	5/8	15.9	3.35	85.1	1.37	34.8	.56	14.2	.06
12GS-27FPFL	7347-93065	3/4	19.1	3.58	90.9	1.57	39.9	.56	14.2	.10
16GS-34FPFL	7347-93165	1	25.4	4.02	102.1	1.78	45.2	.56	14.2	.17
20GS-42FPFL	7347-93465	1 1/4	31.8	5.24	133.1	2.44	62.0	.56	14.2	.28

## Male French GAZ (Poclain) 24° High Pressure Flange

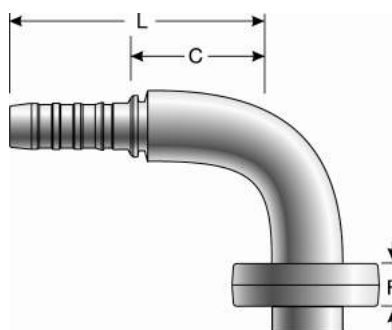


Descr.	Prod. No.	⊖		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
8GS-17MPFL	7347-93225	1/2	12.7	3.11	79.0	1.63	41.4	.56	14.2	.64

## Male French GAZ (Poclain) 24° High Pressure Flange - Continued

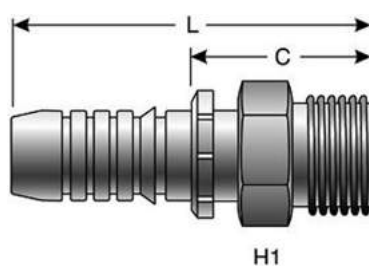
Descr.	Prod. No.	⊖		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
10GS-21MPFL	7347-93005	5/8	15.9	3.27	83.1	1.29	32.8	.56	14.2	.73
12GS-27MPFL	7347-93085	3/4	19.1	4.02	102.1	2.01	51.1	.56	14.2	1.30
16GS-34MPFL	7347-93185	1	25.4	4.51	114.6	2.27	57.7	.56	14.2	2.10
20GS-42MPFL	7347-93475	1 1/4	31.8	6.77	172.0	3.96	100.6	.56	14.2	4.27

## Male French GAZ (Poclain) 24° High Pressure Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
10GS-21MPFL90	7347-93045	5/8	15.9	2.27	57.7	3.62	92.0	1.64	41.7	.56	14.2	.78
20GS-42MPFL90	7347-93485	1 1/4	31.8	3.51	89.2	5.90	149.9	3.09	78.5	.56	14.2	3.77

## Male French GAZ



Descr.	Prod. No.	⊖		H1		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
8GS-17MFG	7347-90655	1/2	12.7	M24X1.5	26	2.61	66.3	1.14	29.0	.18
12GS-21MFG	7347-94075	3/4	19.1	M30X1.5	32	3.23	82.0	1.22	31.0	.35
12GS-27MFG	7347-93055	3/4	19.1	M36X1.5	42	3.33	84.6	1.32	33.5	.54
16GS-34MFG	7347-93155	1	25.4	M45X1.5	50	3.70	94.0	1.46	37.1	.74

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

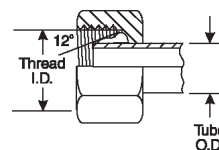
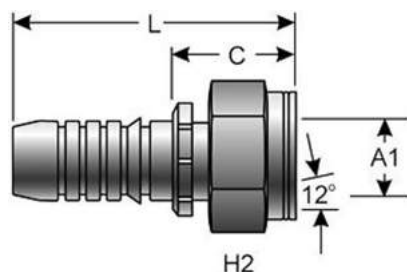
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

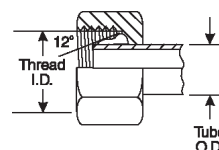
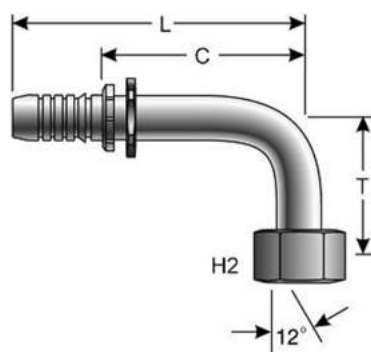


## Female French GAZ Swivel (Female Kobelco)



Descr.	Prod. No.	⊖		M	H2	L		C		A1	Weight (Lbs.)
		"	mm			"	mm	"	mm		
8GS-17FFGX	7347-90665	1/2	12.7	M24X1.5	30	2.68	68.1	1.20	30.5	16.8	.30
10GS-21FFGX	7347-93025	5/8	15.9	M30X1.5	36	3.44	87.4	1.44	36.6	21.3	.48
12GS-21FFGX	7347-94715	3/4	19.1	M30X1.5	36	3.27	83.1	1.29	32.8	21.3	.50
12GS-27FFGX	7347-93075	3/4	19.1	M36X1.5	41	3.41	86.6	1.40	35.6	26.6	.70
16GS-27FFGX	7347-94725	1	25.4	M36X1.5	41	3.41	86.6	1.40	35.6	26.6	.70
16GS-34FFGX	7347-93175	1	25.4	M45X1.5	55	3.76	95.5	1.54	39.1	33.5	1.00

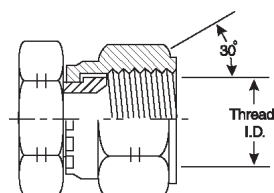
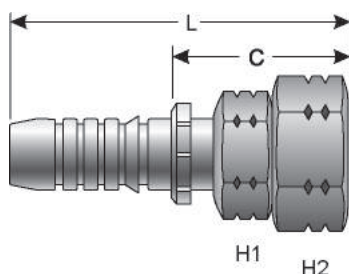
## Female French GAZ Swivel - 90° Bent Tube




Descr.	Prod. No.	⊖		M	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
10GS-21FFGX90	7347-93035	5/8	15.9	M30X1.5	36	1.77	45.0	3.62	92.0	1.64	41.7	.53
12GS5K-27FFGX90-060	7347-78645	3/4	19.1	M36X1.5	41	2.36	59.9	4.91	124.7	2.90	73.7	.91
12GS-21FFGX90	7347-94735	3/4	19.1	M30X1.5	36	2.00	50.8	4.91	124.7	2.90	73.7	.74
16GS5K-34FFGX90-065	7347-78655	1	25.4	M45X1.5	55	2.56	65.0	5.67	144.0	3.45	87.6	1.71
16GS-27FFGX90	7347-94745	1	25.4	M30X1.5	41	2.64	67.1	5.94	150.9	3.72	94.5	1.36

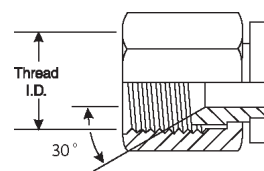
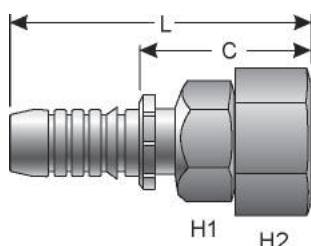
## Female Komatsu Style Japanese Metric Swivel


These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
8GS-8FKX	7347-35245	1/2	12.7	M22X1.5	27	27	2.93	74.4	1.46	37.1	.22
10GS-10FKX	7347-35345	5/8	15.9	M24X1.5	30	32	3.74	95.0	1.76	44.7	.45
12GS-12FKX	7347-35445	3/4	19.1	M30X1.5	32	36	4.00	101.6	2.00	50.8	.64
16GS-16FKX	7347-35555	1	25.4	M33X1.5	41	41	4.51	114.6	2.29	58.2	.90

## Female Japanese Industrial Standard 30° Flare Swivel



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
12GS-12FJISX	7347-76195	3/4	19.1	3/4-14	32	36	3.87	98.3	1.86	47.2	.64
16GS-16FJISX	7347-76005	1	25.4	1-11	41	41	4.25	108.0	2.03	51.6	.86
20GS-20FJISX	7347-76235	1 1/4	31.8	1 1/4-11	27	50	5.35	135.9	2.56	65.0	.16

## GS Ferrule for Wire Braid Hose

Consult eCrimp for wire braid types and sizes.



Descr.	Prod. No.	⊖		L		⊙		Weight (Lbs.)
		"	mm	"	mm	"	mm	
6GS1F-1	7347-02875	3/8	9.5	1.20	30.5	.96	24.4	.08
6GS1F-2	7347-02945	3/8	9.5	1.20	30.5	1.06	26.9	.10
8GBIF-PS	7206-02095	1/2	12.7	1.47	37.3	1.15	29.29	.10

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## GS Ferrule for Wire Braid Hose - Continued

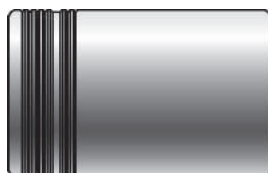
Descr.	Prod. No.	⊖		L		⊖		Weight (Lbs.)
		"	mm	"	mm	"	mm	
8GS1F-2	7347-02955	1/2	12.7	1.47	37.3	1.15	29.2	.10
10GS1F-2	7347-02965	5/8	15.9	1.40	35.56	1.33	33.8	.14
12GS1F-2	7347-02975	3/4	19.1	1.73	44.0	1.57	39.9	.23
16GS1F-2	7347-02985	1	25.4	2.06	52.3	1.94	49.3	.39
20GS1F-2	7347-02995	1 1/4	31.8	2.41	61.2	2.37	60.2	.63

## GS Ferrule for 4-Spiral Hose



Descr.	Prod. No.	⊖		L		⊖		Weight (Lbs.)
		"	mm	"	mm	"	mm	
6GS1F-4	7347-03105	3/8	9.5	1.43	36.3	1.25	31.8	.18
8GS1F-4	7347-03115	1/2	12.7	1.44	36.9	1.35	34.3	.18
10GS1F-4	7347-03125	5/8	15.9	1.88	47.8	1.64	41.7	.28
12GS1F-4	7347-03135	3/4	19.1	2.00	50.8	1.80	45.7	.40
16GS1F-4	7347-03145	1	25.4	2.22	56.4	2.07	52.6	.55
20GS1F-4	7347-03155	1 1/4	31.8	2.67	67.8	2.42	61.5	.75

## GS Ferrule for 6-Spiral Hose



Descr.	Prod. No.	⊖		L		⊖		Weight (Lbs.)
		"	mm	"	mm	"	mm	
20GS1F-6	7347-02905	1 1/4	31.8	2.87	72.9	2.67	67.8	1.05

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

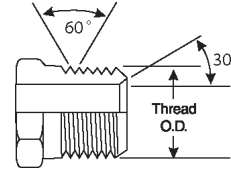
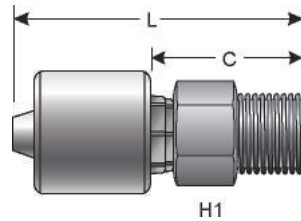
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## 1 1/4" Special One-Piece Couplings - Male Pipe (NPTF - 30° Cone Seat)

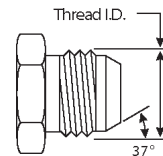
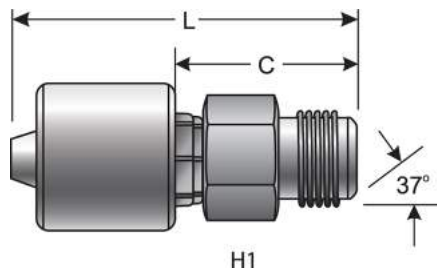
MGS Couplings for use with MC4-20 Crimper Only.





Descr.	Prod. No.				H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
20MGS-20MP	7347-86005	1 1/4	31.8	1 1/4-11 1/2	1 3/4	5.00	127.0	2.20	55.9	1.80

## 1 1/4" Special One-Piece Couplings - Male JIC 37° Flare

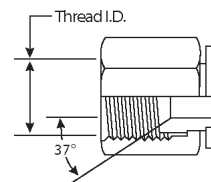
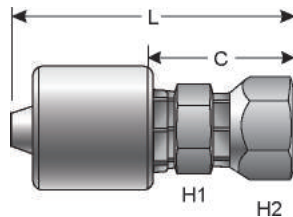
MGS Couplings for use with MC4-20 Crimper Only.





Descr.	Prod. No.				H1	L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	
20MGS-20MJ	7347-86015	1 1/4	31.8	1 5/8-12	1 3/4	4.92	125.0	2.12	53.9	1.80

## 1 1/4" Special One-Piece Couplings - Female JIC 37° Flare Swivel

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.					H1	H2	L		C		Weight (Lbs.)
		"	mm	"	"	"	"	"	mm	"	mm	
20MGS-20FJX	7347-86025	1 1/4	31.8	1 5/8-12	1 7/8	2	5.35	135.9	2.56	65.0	2.48	

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

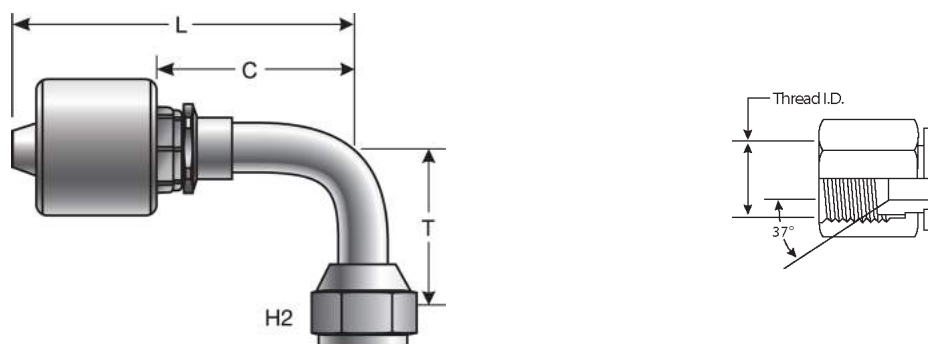
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## 1 1/4" Special One-Piece Couplings - Female JIC 37° Flare Swivel - 90° Bent Tube

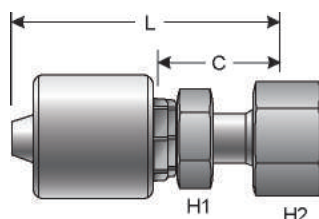
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
20MGS-20FJX90M-078	7347-86035	1 1/4	31.8	1 5/8-12	2	3.07	78.0	6.85	174.0	4.05	102.9	3.35

## 1 1/4" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel

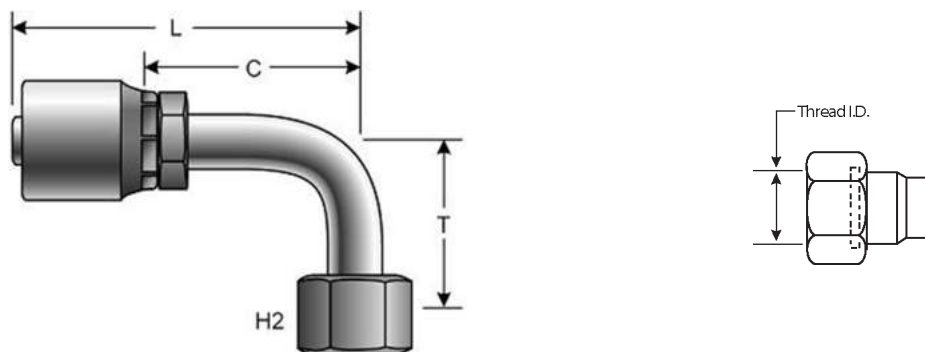
MGS Couplings for use with MC4-20 Crimper Only.




Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
20MGS-20FFORX	7347-86045	1 1/4	31.8	1 11/16-12	50	50	5.04	128.0	2.24	56.9	2.10

## 1 1/4" Special One-Piece Couplings - Female Flat-Face O-Ring Swivel - 90° Bent Tube

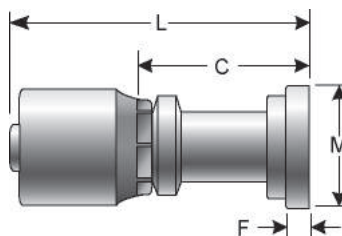
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
20MGS-20FFORX90M	7347-86055	1 1/4	31.8	1 11/16-12	50	3.07	78.0	6.77	172.0	3.97	100.8	2.90

## 1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
20MGS-20FL	7347-86065	1 1/4	31.8	2.00	50.8	5.75	146.1	2.95	74.9	.32	8.1	2.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

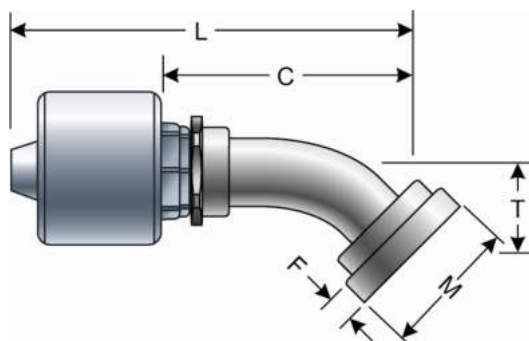
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## 1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange - 45° Bent Tube

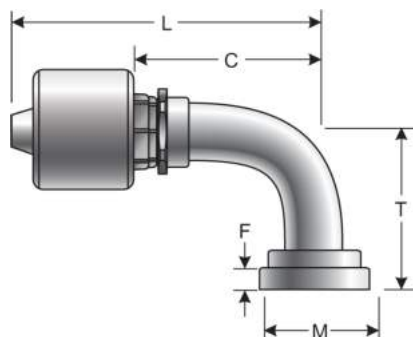
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
20MGS-20FL45S-032	7347-86075	1 1/4	31.8	2.00	50.8	1.26	32.0	6.69	169.9	3.89	98.8	.32	8.1	.50

## 1 1/4" Special One-Piece Couplings - Code 61 O-Ring Flange - 90° Bent Tube

MGS Couplings for use with MC4-20 Crimper Only.

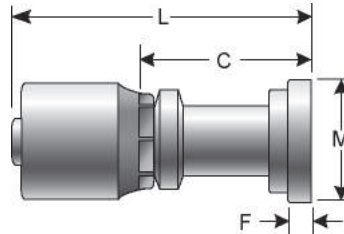


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
20MGS-20FL90M-090	7347-86085	1 1/4	31.8	2.00	50.8	3.54	89.9	6.54	166.1	3.74	95.0	.32	8.1	.30



## 1 1/4" Special One-Piece Couplings - Code 62 O-Ring Flange

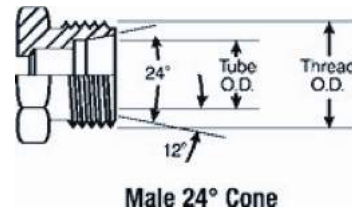
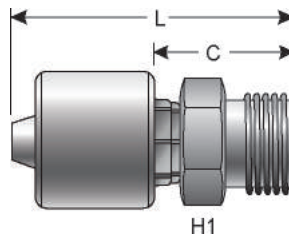
MGS Couplings for use with MC4-20 Crimper Only.





Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
20MGS-20FLH	7347-86135	1 1/4	31.8	2.13	54.1	5.75	146.1	2.95	74.9	.41	10.4	.23

## 1 1/4" Special One-Piece Couplings - Male DIN 24° Cone - Heavy Series

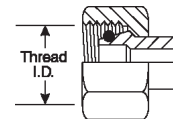
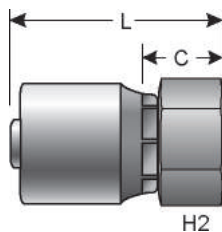
MGS Couplings for use with MC4-20 Crimper Only.





Descr.	Prod. No.					H1		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
20MGS-38MDH	7347-86115	1 1/4	31.8	M52X2.0	55	4.84	122.9	2.04	51.8		.20	

## 1 1/4" Special One-Piece Couplings - Female DIN 24° Cone Swivel - Heavy Series with O-Ring

MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.				H2	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
20MGS-38FDHORX	7347-86095	1 1/4	31.8	M52X2.0	60	5.71	145.0	2.91	73.9	.23

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

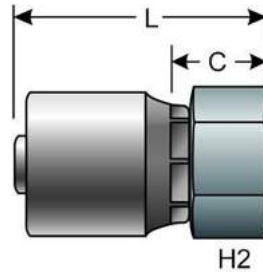
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

# 1 1/4" Special One-Piece Couplings - Female British Standard Pipe Parallel O-Ring Swivel

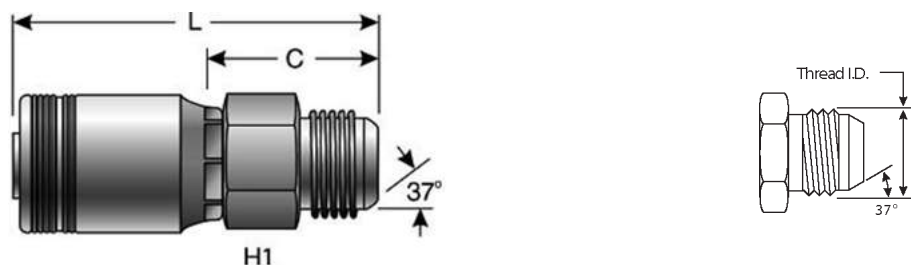
MGS Couplings for use with MC4-20 Crimper Only.



Descr.	Prod. No.	⊖		H2		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
20MGS-20FBSPORX	7347-86105	1 1/4	31.8	1 1/4-11	60	4.59	116.6	1.79	45.5	1.60

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Male JIC 37° Flare



Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSM-24MJ	7341-02555	1 1/2	38.1	1 7/8-12	1.97	6.39	162.3	2.65	67.3	1.52
32GSM-32MJ	7341-20465	2	50.8	2 1/2-12	2.56	7.72	196.1	3.23	82.1	6.66

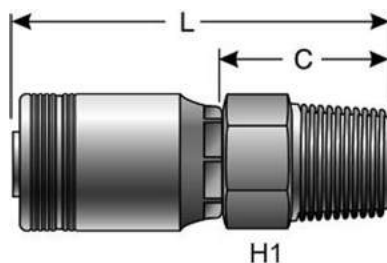
## Male Pipe (NPTF - 30° Cone Seat)



Do Not Use in Oil Field (API) Connections

Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSM-24MP	7341-02585	1 1/2	38.1	1 1/2-11	2	6.51	165.4	2.77	70.4	3.60
32GSM-32MP	7341-20405	2	50.8	2-11 1/2	2.75	7.54	191.6	3.05	77.6	6.50

## API Line Pipe Connection



Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSM-24API-LP	7341-02735	1 1/2	38.1	1 1/2-11	2	5.76	146.3	2.23	56.6	3.85
32GSM-32API-LP	7341-20305	2	50.8	2	2.75	9.39	238.4	4.90	124.4	8.46
40GSM-40API-LP	7341-20675	2 1/2	63.5	2 1/2	—	12.40	316.0	5.47	138.9	14.31
48GSM-48API-LP	7341-20715	3	76.2	3	—	14.10	359.0	6.38	162.0	21.17

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

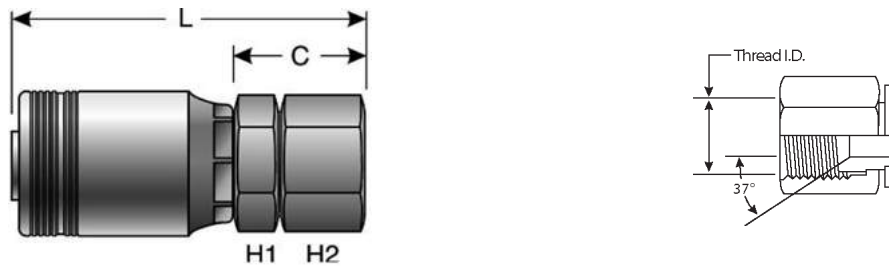
LIVE SWIVEL


BALL VALVES

ACCESSORIES

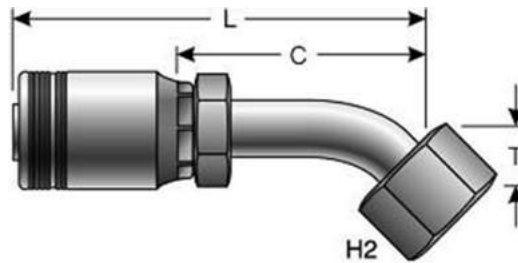
EQUIPMENT AND  
PARTS


## Female JIC 37° Flare Swivel



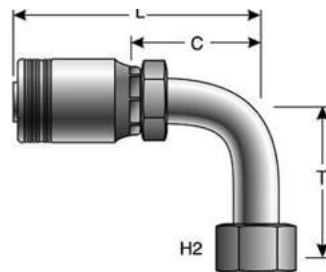
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
24GSM-24FJX	7341-02525	1 1/2	38.1	1 7/8-12	2.17	2.36	6.78	172.2	3.04	77.2	4.25
32GSM-32FJX	7341-20455	2	50.8	2 1/2-12	2.76	2.95	8.07	205.1	3.59	91.1	7.75


## Female JIC 37° Flare Swivel - 45° Bent Tube



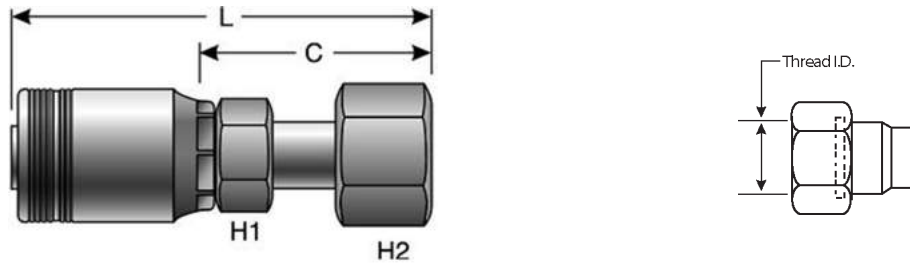
Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
24GSM-24FJX45-034	7341-02535	1 1/2	38.1	1 7/8-12	60	1.34	34.0	8.90	226.1	5.15	130.8	5.01

## Female JIC 37° Flare Swivel - 90° Bent Tube



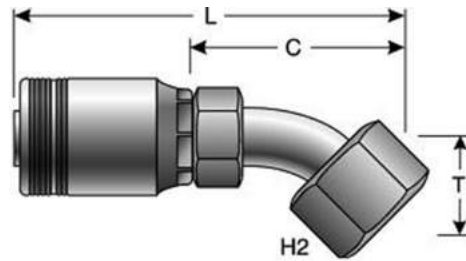
Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
24GSM-24FJX90M	7341-02545	1 1/2	38.1	1 7/8-12	60	3.39	86.1	8.96	227.6	7.18	182.4	5.45

## Female Flat-Face Swivel



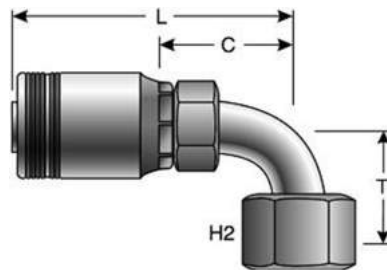
Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
24GSM-24FFORX	7341-02445	1 1/2	38.1	2-12	2.17	2.36	6.47	164.3	2.73	69.3	4.20
32GSM-32FFORX	7341-20485	2	50.8	2 1/2-12	2.76	2.95	7.60	193.0	3.07	79.0	7.72

## Female Flat-Face Swivel - 45° Bent Tube



Descr.	Prod. No.	⌀		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
24GSM4K-24FFORX45-038	7341-02455	1 1/2	38.1	2-12	60	1.50	38.1	9.31	236.6	5.56	141.1	4.86

## Female Flat-Face Swivel - 90° Bent Tube



Descr.	Prod. No.	⌀		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
24GSM4K-24FFORX90M	7341-02475	1 1/2	38.1	2-12	2.50	3.41	86.6	8.48	215.4	3.69	93.7	5.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

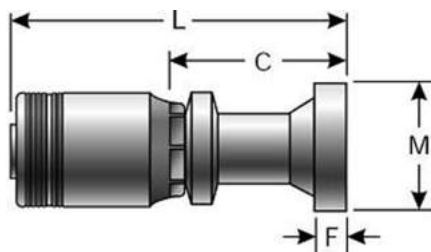
LIVE SWIVEL

BALL VALVES

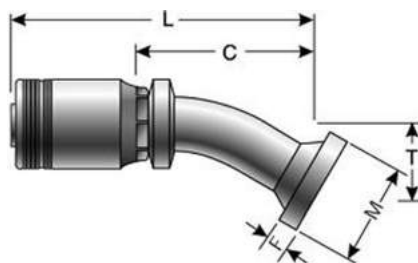
ACCESSORIES

EQUIPMENT AND  
PARTS**Code 61 O-Ring Flange**

Maximum working pressure 3,000 PSI.



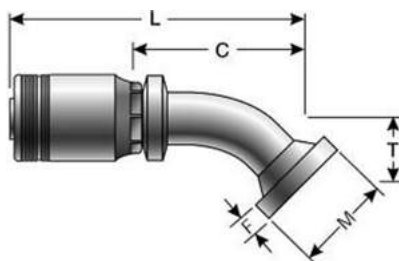
Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FL	7341-01905	1 1/2	38.1	2.38	60.5	7.09	180.1	3.35	85.1	.31	7.9	3.63
24GSM-32FL	7341-01915	1 1/2	38.1	2.81	71.4	7.40	188.0	3.66	93.0	.38	9.7	3.88
32GSM-32FL	7341-20255	2	50.8	2.81	71.4	9.90	251.4	5.41	137.4	.38	9.7	7.66

**Code 61 O-Ring Flange - 30° Bent Tube**

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FL30M	7341-01925	1 1/2	38.1	2.38	60.5	1.77	45.0	8.52	216.4	5.00	127.0	.32	8.1	4.52

**Code 61 O-Ring Flange - 45° Bent Tube**

Maximum working pressure 3,000 PSI.



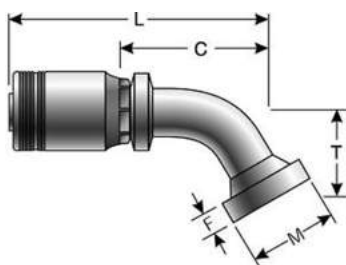
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FL45M	7341-01945	1 1/2	38.1	2.38	60.5	1.73	43.9	9.05	229.9	5.31	134.9	.31	7.9	4.55
24GSM-32FL45S	7341-01955	1 1/2	38.1	2.81	71.4	2.05	52.1	9.13	231.9	5.34	136.6	.38	9.7	4.80

## Code 61 O-Ring Flange - 45° Bent Tube - Continued

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GSM-32FL45M	7341-20265	2	50.8	3.13	79.5	2.20	56.0	11.30	288.0	6.83	173.6	.50	12.7	8.90

## Code 61 O-Ring Flange - 60° Bent Tube

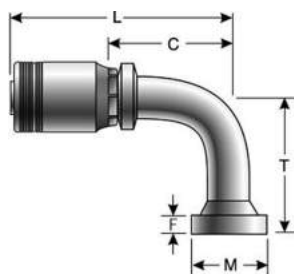
Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FL60M	7341-01965	1 1/2	38.1	2.38	60.5	2.52	64.0	9.50	241.3	5.75	146.1	.31	7.9	4.77

## Code 61 O-Ring Flange - 90° Bent Tube

Maximum working pressure 3,000 PSI.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FL90S	7341-01985	1 1/2	38.1	2.38	60.5	3.19	81.0	8.46	214.9	4.72	119.9	.31	7.9	2.18
32GSM-32FL90-130	7341-20275	2	50.8	3.13	79.5	5.12	130.0	10.43	265.0	5.93	150.5	.50	12.7	10.09

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

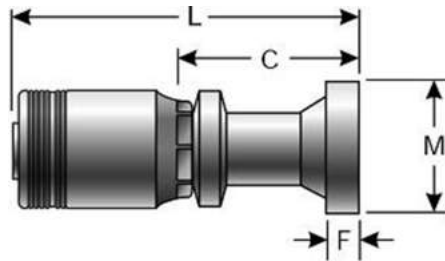
LIVE SWIVEL

BALL VALVES

ACCESSORIES

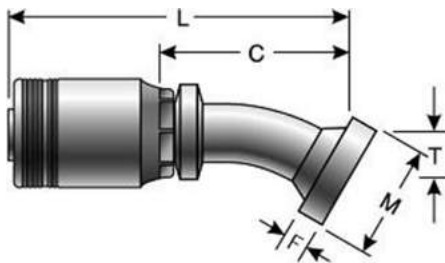
EQUIPMENT AND  
PARTS

## Code 62 O-Ring Flange Heavy



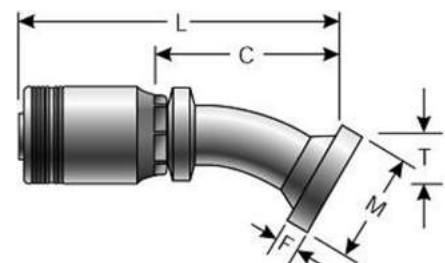
Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-20FLH	7341-02245	1 1/2	38.1	2.13	54.1	7.87	199.9	4.13	104.9	.41	10.4	3.06
24GSM-24FLH	7341-02255	1 1/2	38.1	2.50	63.5	7.87	199.9	4.13	104.9	.50	12.7	1.86
24GSM-32FLH	7341-02265	1 1/2	38.1	3.13	79.5	7.87	199.9	4.13	104.9	.50	12.7	2.14
32GSM-24FLH	7341-20095	2	50.8	2.50	63.5	9.06	230.0	4.57	116.0	.50	12.7	6.89
32GSM-32FLH	7341-20005	2	50.8	3.13	79.5	9.90	251.4	5.41	137.4	.50	12.7	8.30

## Code 62 O-Ring Flange Heavy - 22° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLH20-024	7341-02395	1 1/2	38.1	2.50	63.5	.94	23.9	9.56	242.8	5.81	147.6	.50	12.7	4.67
24GSM-24FLH22M	7341-02275	1 1/2	38.1	2.50	63.5	.70	17.8	9.56	242.8	5.84	148.4	.50	12.7	4.70

## Code 62 O-Ring Flange Heavy - 30° Bent Tube

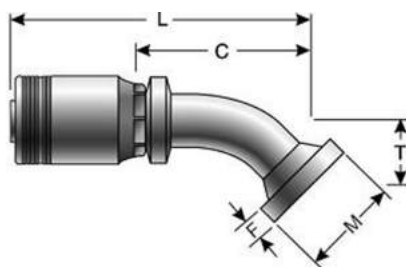


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLH30M	7341-02295	1 1/2	38.1	2.50	63.5	3.54	89.9	9.45	240.0	5.70	144.8	.50	12.7	2.13

## Code 62 O-Ring Flange Heavy - 30° Bent Tube - Continued

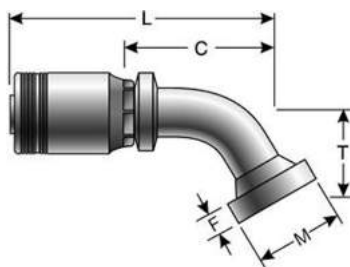
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GSM-32FLH30-040	7341-20065	2	50.8	3.13	79.5	1.57	40.0	12.17	309.0	7.66	194.6	.50	12.7	9.45

## Code 62 O-Ring Flange Heavy - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLH45M	7341-02315	1 1/2	38.1	2.50	63.5	1.73	43.9	9.13	231.9	5.39	136.9	.50	12.7	4.60
24GSM-32FLH45M	7341-02325	1 1/2	38.1	3.13	79.5	2.20	55.9	9.48	240.8	5.74	146.0	.50	12.7	5.46
32GSM-32FLH45-063	7341-20055	2	50.8	3.13	79.5	2.48	63.0	11.69	297.0	6.00	152.5	.50	12.7	9.49

## Code 62 O-Ring Flange Heavy - 60° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLH60M	7341-02335	1 1/2	38.1	2.50	63.5	2.50	63.5	9.25	235.0	6.23	158.2	.50	12.7	2.34
32GSM-32FLH60M	7341-20075	2	50.8	3.13	79.5	3.27	83.1	12.28	311.9	7.77	197.4	.50	12.7	10.50

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

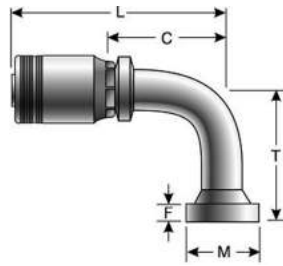
LIVE SWIVEL

BALL VALVES

ACCESSORIES

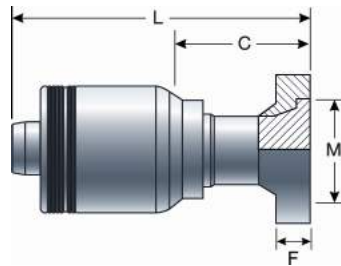
EQUIPMENT AND  
PARTS

## Code 62 O-Ring Flange Heavy - 90° Bent Tube



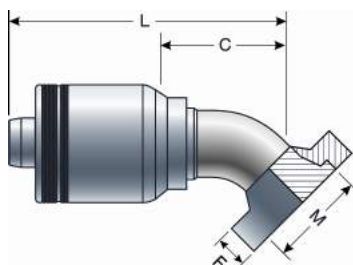
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLH90-094	7341-02355	1 1/2	38.1	2.50	63.5	3.70	94.0	8.73	221.7	4.68	118.9	.50	12.7	5.25
24GSM-24FLH90-150	7341-02375	1 1/2	38.1	2.50	63.5	5.90	149.9	8.42	213.9	4.68	118.9	.50	12.7	6.01
24GSM-32FLH90S	7341-02365	1 1/2	38.1	2.81	71.4	4.72	119.9	8.42	213.9	4.68	118.9	.50	12.7	2.79
32GSM-32FLH90-159	7341-20035	2	50.8	3.13	79.5	6.26	159.0	10.41	264.0	5.92	150.4	.50	12.7	11.80
32GSM-32FLH90M	7341-20045	2	50.8	3.13	79.5	5.43	138.0	10.41	264.0	5.91	150.0	.50	12.7	10.55
32GSM-32FLH90S	7341-20085	2	50.8	3.13	79.5	4.72	120.0	10.41	264.0	5.91	150.0	.50	12.7	10.50

## Code 62 O-Ring Flange Heavy With Captive Flange



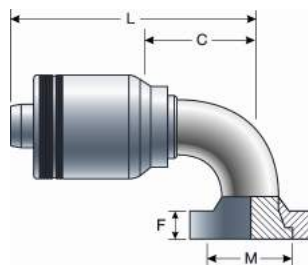
Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLHCFM	7341-02805	1 1/2	38.1	2.50	63.5	7.87	200.0	4.13	105.0	.50	2.5	7.55
32GSM-32FLHCFM	7341-20135	2	50.8	3.13	79.4	9.90	251.4	5.41	137.4	.50	3.1	9.51

## Code 62 O-Ring Flange Heavy With Captive Flange - 45° Bent Tube



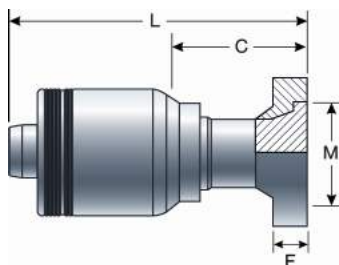
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FLHCFM45M	7341-02815	1 1/2	38.1	2.50	63.5	1.73	44.0	9.13	232.0	5.39	137.0	.50	2.5	8.47
32GSM-32FLHCFM45-063	7341-20145	2	50.8	3.13	79.4	2.48	63.0	11.69	297.0	7.18	182.5	.50	3.1	10.80

## Code 62 O-Ring Flange Heavy With Captive Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSH-24FLHCFM90-094	7341-02825	1 1/2	38.1	2.50	63.5	3.70	94.0	8.43	214.0	4.69	119.0	.50	2.5	7.70
32GSM-32FLHCFM90-120	7341-20155	2	50.8	3.13	79.4	4.72	120.0	10.39	264.0	5.91	150.0	.50	3.1	13.00

## Code 62 O-Ring Flange Heavy Captive Flange Metric Bolts



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
40GSM-40FLHCFM	7341-20655	2 1/2	63.5	5.91	150.0	15.00	380.0	7.95	202.0	1.89	48.0	29.17
48GSM-48FLHCFM	7341-20695	3	76.2	8.27	210.0	17.30	440.0	9.57	243.0	2.28	58.0	46.23

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

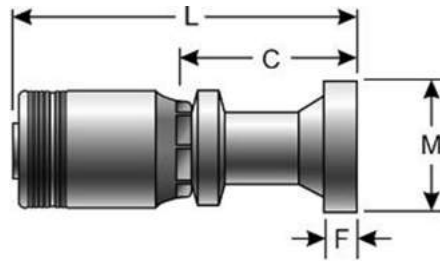
LIVE SWIVEL

BALL VALVES

ACCESSORIES

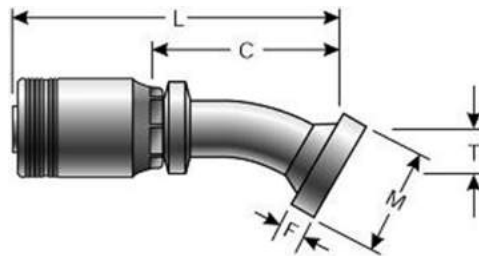
EQUIPMENT AND  
PARTS

## Caterpillar Style O-Ring Flange



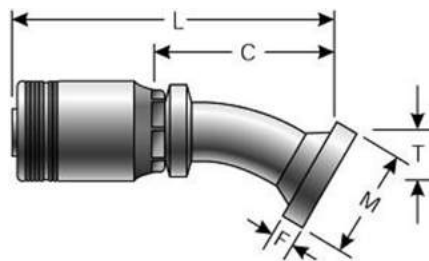
Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLC	7341-02055	1 1/2	38.1	2.50	63.5	7.44	189.0	3.71	94.2	.56	14.2	4.02
24GSM-24FLCL	7341-02175	1 1/2	38.1	2.50	63.5	9.37	238.0	5.64	143.3	.56	14.2	2.11
24GSM-32FLC	7341-02065	1 1/2	38.1	3.13	79.5	7.87	199.9	4.13	104.9	.56	14.2	4.77
32GSM-32FLC	7341-20205	2	50.8	2.81	71.4	8.97	227.7	4.48	113.8	.38	9.7	7.79

## Caterpillar Style O-Ring Flange - 22° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLC22-017	7341-02075	1 1/2	38.1	2.50	63.5	.66	16.8	9.29	236.0	5.57	141.5	.56	14.2	4.63
24GSM-32FLC22-022	7341-02085	1 1/2	38.1	3.13	79.5	.87	22.1	7.87	261.0	4.13	104.9	.56	14.2	5.65

## Caterpillar Style O-Ring Flange - 30° Bent Tube

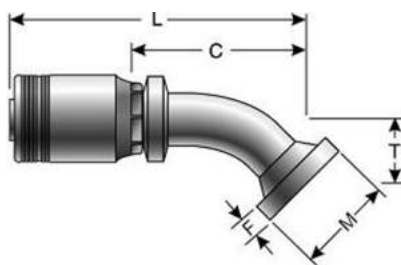


Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLC30-023	7341-02095	1 1/2	38.1	2.50	63.5	.90	22.9	9.25	235.0	5.49	139.5	.56	14.2	2.11
24GSM-32FLC30-035	7341-02105	1 1/2	38.1	3.13	79.5	1.37	34.8	10.11	257.0	6.36	161.6	.56	14.2	5.64

## Caterpillar Style O-Ring Flange - 30° Bent Tube - Continued

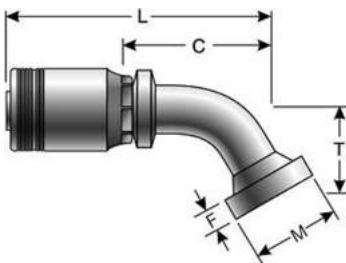
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GSM-32FLC30-035	7341-20245	2	50.8	3.13	79.5	1.38	35.0	11.85	301.2	7.37	187.2	.56	14.2	9.42

## Caterpillar Style O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLC45-039	7341-02115	1 1/2	38.1	2.50	63.5	1.54	39.1	8.94	227.1	5.20	132.1	.56	14.2	2.12
24GSM-32FLC45-059	7341-02125	1 1/2	38.1	3.13	79.5	2.32	58.9	9.60	244.0	5.86	149.0	.56	14.2	5.68
32GSM-32FLC45-064	7341-20215	2	50.8	3.13	79.5	2.52	64.0	11.32	287.5	6.83	173.5	.56	14.2	7.66

## Caterpillar Style O-Ring Flange - 60° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLC60-055	7341-02135	1 1/2	38.1	2.50	63.5	2.17	55.1	9.91	251.7	6.17	156.7	.56	14.2	5.15
24GSM-32FLC60-087	7341-02145	1 1/2	38.1	3.13	79.5	3.42	86.9	11.69	297.0	7.94	201.9	.56	14.2	6.62
32GSM-32FLC60-083	7341-20225	2	50.8	3.13	79.5	3.27	83.1	12.69	322.3	8.17	207.5	.56	14.2	7.66

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

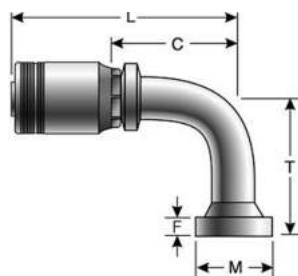
LIVE SWIVEL

BALL VALVES

ACCESSORIES

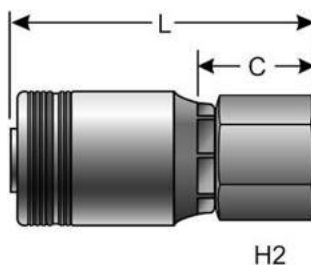
EQUIPMENT AND  
PARTS



## Caterpillar Style O-Ring Flange - 90° Bent Tube



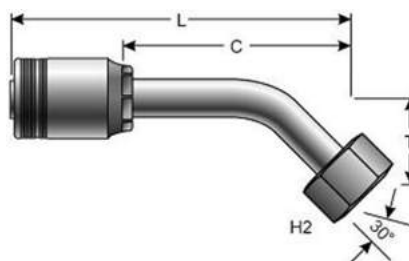
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSM-24FLC90-087	7341-02155	1 1/2	38.1	2.50	63.5	3.43	87.1	8.43	214.1	4.70	119.4	.56	14.2	5.40
24GSM-32FLC90-140	7341-02165	1 1/2	38.1	3.13	79.5	5.51	140.0	8.85	225.0	5.11	129.9	.56	14.2	6.59
32GSM-32FLC90-130	7341-20235	2	50.8	3.13	79.5	5.12	130.0	10.41	264.5	5.93	150.5	.50	12.7	10.56



## Female British Standard Parallel Pipe O-Ring Swivel



Descr.	Prod. No.				H2	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
24GSM-24FBSPORX	7341-07015	1 1/2	38.1	1 1/2-11	55	6.06	153.9	2.32	58.9	3.87
32GSM-32FBSPORX	7341-20555	2	50.8	2-11	70	7.24	183.9	2.76	70.0	8.09

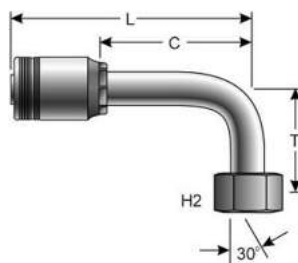
## Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube



Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
24GSM-24FBSPORX45	7341-07035	1 1/2	38.1	1 1/2	55	1.96	49.8	9.56	242.8	5.81	147.6	5.00
32GSM-32FBSPORX45	7341-20565	2	50.8	2-11	70	2.95	75.0	12.11	307.6	7.62	193.6	10.18

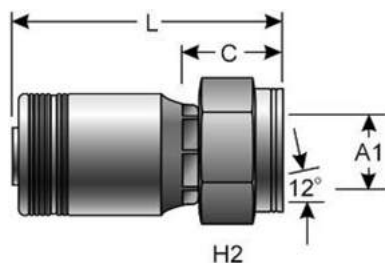


## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube



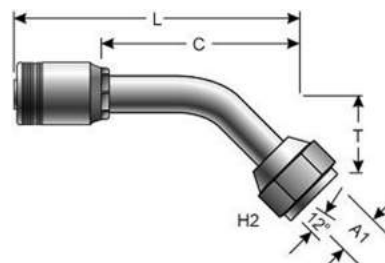
Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
24GSM-24FBSPORX90	7341-07045	1 1/2	38.1	1 1/2	55	3.94	100.1	8.76	222.5	5.02	127.5	5.33
32GSM-32FBSPORX90	7341-20575	2	50.8	2-11	70	5.91	150.0	10.89	276.5	6.40	162.5	11.08

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring



Descr.	Prod. No.	⊖		🌀	H2	L		C		A1	Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	mm	
24GSM-38FDHORX	7341-07055	1 1/2	38.1	M52X2.0	60	7.09	180.1	3.35	85.1	38.0	4.40

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C	A1	Weight (Lbs.)
		"	mm		mm	"	mm	"	mm			
24GSM-38FDHORX45	7341-07065	1 1/2	38.1	M52X2.0	60	1.74	44.2	9.33	237.0	5.59	142.0	5.06

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

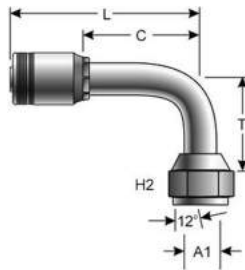
LIVE SWIVEL

BALL VALVES

ACCESSORIES

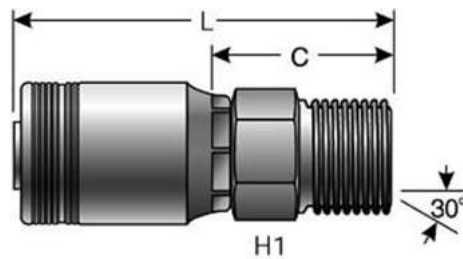
EQUIPMENT AND  
PARTS

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube



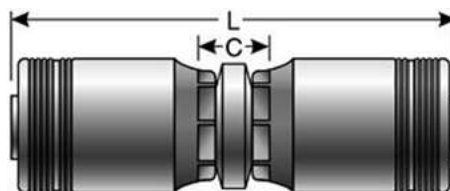
Descr.	Prod. No.	⊖		M52X2.0		H2		T		L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	mm	
24GSM-38FDHORX90	7341-07075	1 1/2	38.1	M52X2.0		60	3.62	92.0	8.76	222.5	5.02	127.5	38.0		5.43

## Male British Standard Pipe Parallel



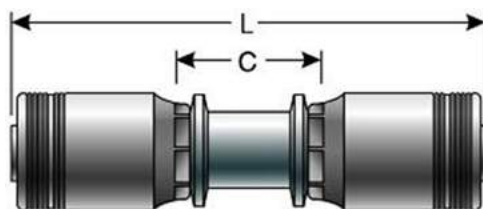
Descr.	Prod. No.	⊖		M52X2.0		H1	L		C		Weight (Lbs.)
		"	mm	"	mm		"	mm	"	mm	
24GSM-24MBSPP	7341-07025	1 1/2	38.1	1 1/2-11		2 1/4	6.41	162.8	2.67	67.8	3.64
32GSM-32MBSPP	7341-20585	2	50.8	6.2-11		70	7.40	188.0	2.91	74.0	6.54


## Hose Length Extender



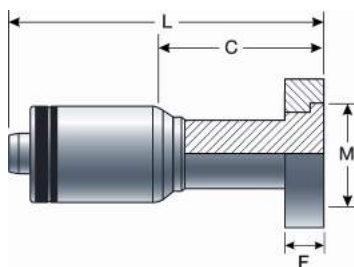
Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
32GSM-32HLE	7341-20475	2	50.8	11.11	282.0	2.14	54.4	10.01
40GSM-40HLE	7341-20735	2 1/2	63.5	16.70	424.0	2.68	68.0	19.20
48GSM-48HLE	7341-20745	3	76.2	18.40	468.0	2.91	73.9	26.18

## Hose Length Extender for Caterpillar with Clamping Area



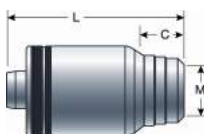
Descr.	Prod. No.	⊖			L	C	Weight (Lbs.)
		"	mm				
24GSM-24HLEC	7341-02645	1 1/2	38.1	1 1/2	10.66	3.18	2.58

## ISO 6164 4-bolt Square Heavy Captive Flange



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
40GSM-63FLSHCF	7341-20665	2 1/2	63.5	5.91	150.0	15.00	380.0	7.95	202.0	2.05	52.0	30.43
48GSM-80FLSHCF	7341-20705	3	76.2	7.09	180.0	17.30	440.0	9.57	243.0	2.76	70.0	48.92

## GSM Butt Weld



Descr.	Prod. No.	⊖		M		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
40GSM-40XXSBW	7341-20685	2 1/2	63.5	1.77	45.0	9.65	245.1	2.64	67.1	11.07
48GSM-48XXSBW	7341-20725	3	76.2	2.28	58.0	10.70	272.0	2.95	75.0	15.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

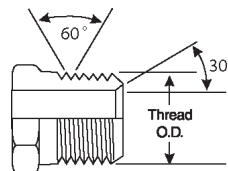
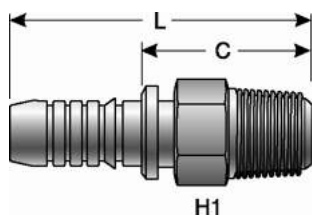
LIVE SWIVEL


BALL VALVES

ACCESSORIES

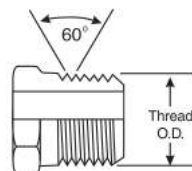
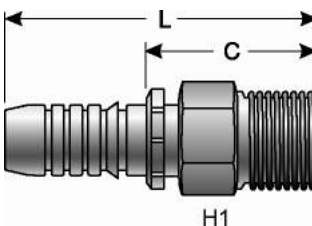
EQUIPMENT AND  
PARTS


## Male Pipe (NPTF - 30° Cone Seat)



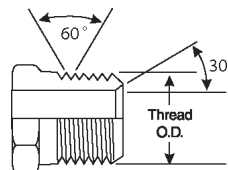
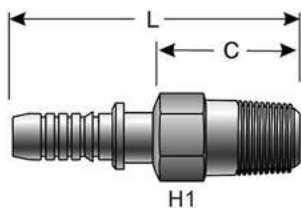
Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSP-24MP	7347-20725	1 1/2	38.1	1 1/2-11 1/2	2	5.24	133.1	2.34	59.4	1.30
32GSP-32MP	7347-20795	2	50.8	2-11 1/2	2.50	6.05	153.7	2.43	61.7	2.30


## API Line Pipe Connection



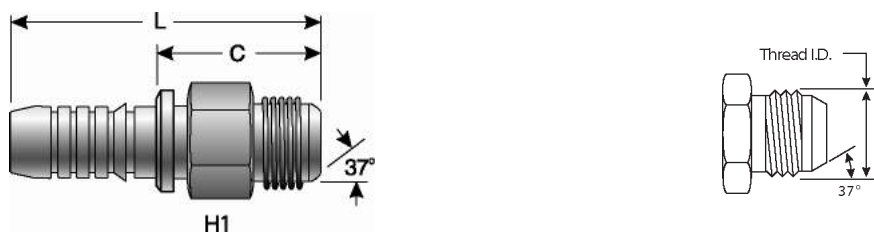
Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSP-24MPAPI	7347-85665	1 1/2	38.1	1 1/2-11 1/2	2	5.45	138.4	2.65	67.3	2.25
32GSP-32MPAPI	7347-85415	2	50.8	2-11 1/2	2.50	7.90	200.7	4.28	108.7	3.50

## Male Pipe (NPTF - 30° Cone Seat) - Long Hex



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSP-24MPLH	7347-20745	1 1/2	38.1	1 1/2-11 1/2	2	6.29	159.8	3.40	86.4	1.97

## Male JIC 37° Flare



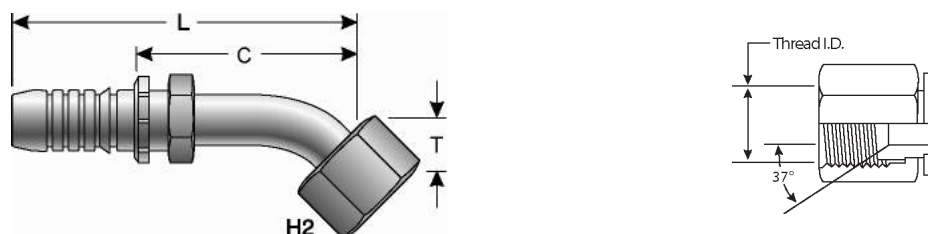
Descr.	Prod. No.	⊖		H1	L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	
24GSP-20MJ	7347-81455	1 1/2	38.1	1 5/8-12	1.97	5.00	2.10	53.3	1.22
24GSP-24MJ	7347-81465	1 1/2	38.1	1 7/8-12	1.97	5.12	2.22	56.4	1.28
32GSP-32MJ	7347-81535	2	50.8	2 1/2-12	2.56	6.34	2.72	69.1	2.67

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		H1	H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSP-24FJX	7347-82455	1 1/2	38.1	1 7/8-12	1.97	2.36	5.64	2.74	69.6	2.16
24GSP-32FJX	7347-82465	1 1/2	38.1	2 1/2-12	2.56	2.98	6.88	3.17	80.5	3.00
32GSP-32FJX	7347-82525	2	50.8	2 1/2-12	2.56	2.95	6.80	3.17	80.5	3.64

## Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		H2	T	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSP-24FJX45-050	7347-83735	1 1/2	38.1	1 7/8-12	2 1/3	1.97	50.0	9.17	232.9	3.16

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

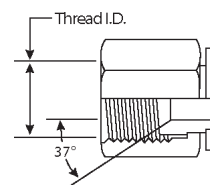
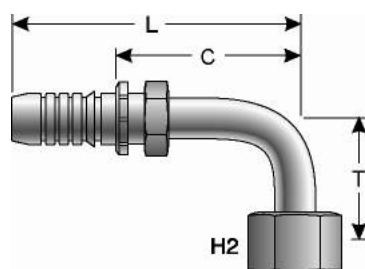
LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

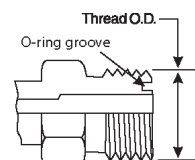
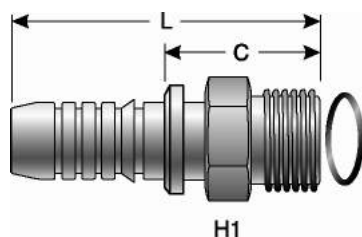
## Female JIC 37° Flare Swivel - 90° Bent Tube




Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
24GSP-24FJX90-089	7347-84745	1 1/2	38.1	1 7/8-12	2 1/3	3.50	88.9	8.35	212.1	5.45	138.4	1.52
24GSP-24FJX90-118	7347-84755	1 1/2	38.1	1 7/8-12	2 1/3	4.65	118.1	7.46	189.5	4.56	115.8	1.55
32GSP-32FJX90M	7347-84785	2	50.8	2 1/2-12	3	5.51	140.0	10.71	272.0	7.07	179.6	6.44

## Male Flat-Face O-Ring

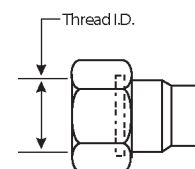
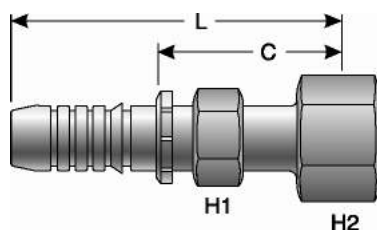
Includes Peroxide-cured O-Ring.  
Metric Hex per ISO Draft International Standard 12151-1.  
Utilizes SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention.




Descr.	Prod. No.	⌀			H1	L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	
24GSP-24MFFOR	7347-23905	1 1/2	38.1	2-12	55	5.12	130.1	2.22	56.4	1.67

## Female Flat-Face O-Ring Swivel

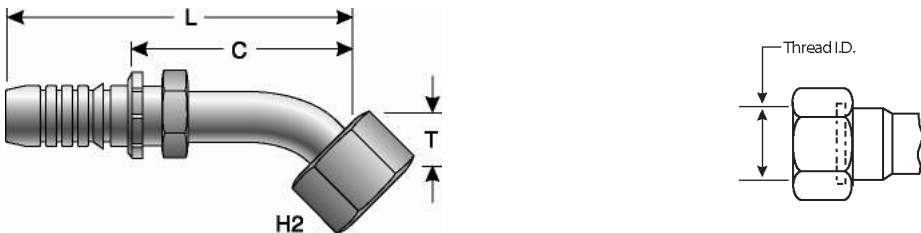
Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.





Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
24GSP-24FFORX	7347-30725	1 1/2	38.1	2-12	55	2 1/4	5.17	131.3	2.37	60.2	1.93

# Female Flat-Face O-Ring Swivel - 45° Bent Tube

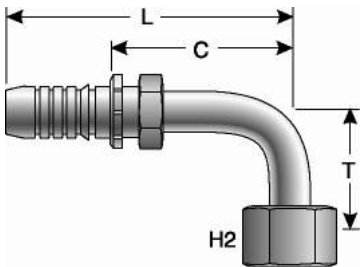
Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.





Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FFORX45-036	7347-31725	1 1/2	38.1	2-12	2 1/4	2.70	68.6	7.61	193.3	4.81	122.2	2.65

# Female Flat-Face O-Ring Swivel - 90° Bent Tube

Metric Hex per ISO Draft International Standard 12151-1.  
SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
24GSP-24FFORX90L	7347-34725	1 1/2	38.1	2-12	2 1/4	5.54	140.7	7.61	193.3	4.81	122.2	3.11
24GSP-24FFORX90M	7347-33725	1 1/2	38.1	2-12	2 1/4	3.41	86.6	7.61	193.3	4.81	122.2	2.75

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

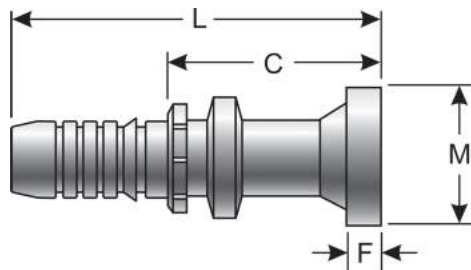
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Code 61 O-Ring Flange**

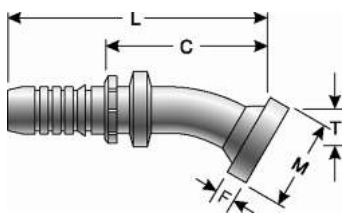
-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-20FL	7347-41715	1 1/2	38.1	2.00	50.8	5.74	145.8	2.85	72.4	.31	7.9	1.51
24GSP-24FL	7347-41725	1 1/2	38.1	2.38	60.5	6.02	152.9	3.12	79.3	.32	8.1	1.98
24GSP-32FL	7347-41735	1 1/2	38.1	2.81	71.4	5.79	147.1	2.99	76.0	.38	9.7	2.05
32GSP-24FL	7347-41785	2	50.8	2.38	60.5	6.53	165.9	2.49	63.3	.32	8.1	2.50
32GSP-32FL	7347-41795	2	50.8	2.81	71.4	6.27	159.3	2.65	67.3	.38	9.7	2.56
32GSP-40FL	7347-41805	2	50.8	3.31	84.1	8.52	216.4	2.99	76.0	.38	9.7	2.88

**Code 61 O-Ring Flange - 22 1/2° Bent Tube**

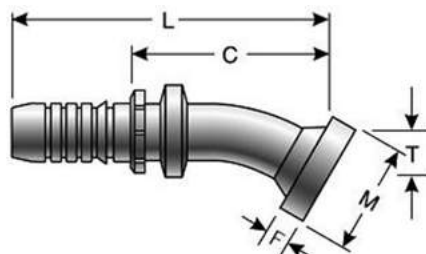
-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FL22M	7347-42725	1 1/2	38.1	2.38	60.5	.71	18.0	8.31	211.0	5.41	137.4	.32	8.1	2.58
24GSP-32FL22M	7347-42735	1 1/2	38.1	2.81	71.4	.87	22.1	8.43	214.1	8.43	214.1	.38	9.7	2.91
32GSP-32FL22M	7347-42795	2	50.8	2.81	71.4	.97	24.6	10.83	275.1	8.43	214.1	.38	9.7	4.91

## Code 61 O-Ring Flange - 30° Bent Tube

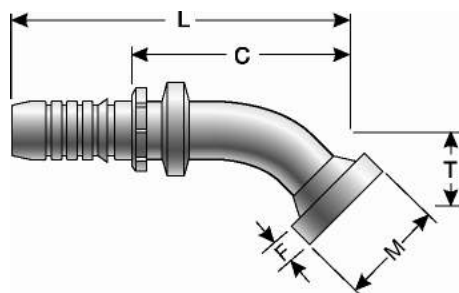
-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FL30S	7347-43725	1 1/2	38.1	2.38	60.5	.98	24.9	8.23	209.0	5.31	134.9	.32	8.1	2.55
24GSP-32FL30M	7347-43735	1 1/2	38.1	2.81	71.4	1.26	32.0	8.27	210.1	5.39	136.9	.38	9.7	2.90
32GSP-32FL30M	7347-43795	2	50.8	2.81	71.4	1.25	31.8	10.70	271.8	7.10	180.3	.38	9.7	4.95

## Code 61 O-Ring Flange - 45° Bent Tube

-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-20FL45S	7347-44715	1 1/2	38.1	2.00	50.8	1.26	32.0	7.09	180.1	4.49	114.1	.32	8.1	2.06
24GSP-24FL45S	7347-44725	1 1/2	38.1	2.38	60.5	1.50	38.1	7.95	201.9	5.05	128.3	.32	8.1	2.60
24GSP-32FL45S	7347-44735	1 1/2	38.1	2.81	71.4	2.05	52.1	7.87	199.9	4.97	126.2	.38	9.7	2.89
32GSP-24FL45S	7347-44785	2	50.8	2.38	60.5	1.50	38.1	8.10	205.8	4.48	113.8	.32	8.1	3.05
32GSP-32FL45-066	7347-44805	2	50.8	2.81	71.4	2.60	66.0	10.12	257.1	6.50	165.1	.38	9.7	4.92

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

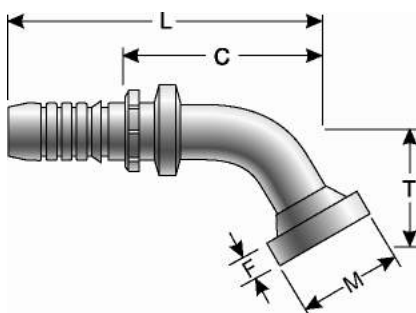
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Code 61 O-Ring Flange - 60° Bent Tube**

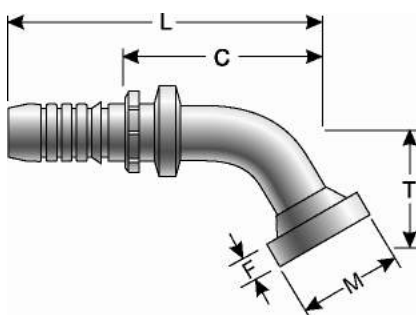
-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FL60S	7347-45725	1 1/2	38.1	2.38	60.5	2.08	52.8	9.09	230.9	6.20	157.5	.32	8.1	3.03
24GSP-32FL60S	7347-45735	1 1/2	38.1	2.81	71.4	2.95	74.9	9.21	233.9	6.30	160.0	.38	9.7	3.50
32GSP-32FL60S	7347-45805	2	50.8	2.81	71.4	2.95	74.9	10.20	259.1	6.56	166.6	.38	9.7	5.11

**Code 61 O-Ring Flange - 67 1/2° Bent Tube**

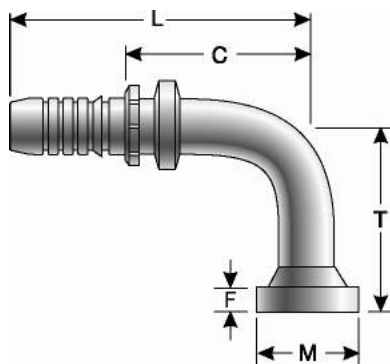
-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FL67S	7347-46725	1 1/2	38.1	2.38	60.5	2.40	61.0	8.90	226.1	5.90	149.9	.32	8.1	3.01
24GSP-32FL67S	7347-46735	1 1/2	38.1	2.81	71.4	3.33	84.6	10.20	259.1	5.90	149.9	.38	9.7	3.50
32GSP-32FL67S	7347-46795	2	50.8	2.81	71.4	3.84	97.5	10.20	259.1	6.56	166.6	.38	9.7	4.72

## Code 61 O-Ring Flange - 90° Bent Tube

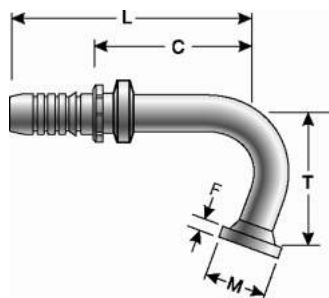
-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-20FL90S	7347-47715	1 1/2	38.1	2.00	50.8	2.68	68.1	6.81	173.0	3.92	99.6	.32	8.1	2.27
24GSP-24FL90-148	7347-85625	1 1/2	38.1	2.36	59.9	5.83	148.1	6.89	175.0	4.01	101.9	.32	8.1	3.58
24GSP-24FL90M	7347-74725	1 1/2	38.1	2.36	59.9	4.09	103.9	6.89	175.0	4.01	101.9	.32	8.1	3.30
24GSP-24FL90S	7347-47725	1 1/2	38.1	2.38	60.5	3.19	81.0	7.24	183.9	4.33	110.0	.32	8.1	2.80
24GSP-32FL90-080	7347-47745	1 1/2	38.1	2.81	71.4	3.15	80.0	6.99	177.6	4.01	101.9	.38	9.7	3.04
24GSP-32FL90-170	7347-85435	1 1/2	38.1	2.81	71.4	6.69	169.9	6.88	174.8	3.99	101.4	.38	9.7	4.12
24GSP-32FL90S	7347-47735	1 1/2	38.1	2.81	71.4	4.72	119.9	6.90	175.3	4.01	101.9	.38	9.7	3.56
32GSP-24FL90S	7347-47785	2	50.8	2.36	59.9	3.19	81.0	7.76	197.1	4.13	104.9	.31	7.9	3.50
32GSP-32FL90-114	7347-47805	2	50.8	2.81	71.4	4.49	114.1	8.74	222.0	5.12	130.1	.38	9.7	4.70
32GSP-32FL90-165	7347-85425	2	50.8	2.81	71.4	6.50	165.1	9.69	246.1	6.06	153.9	.38	9.7	6.79
32GSP-32FL90-200	7347-85455	2	50.8	2.81	71.4	7.97	202.4	8.74	222.0	5.13	130.3	.38	9.7	6.10
32GSP-40FL90-110	7347-74805	2	50.8	3.31	84.1	4.38	111.3	8.52	216.4	4.98	126.5	.38	9.7	6.24

## Code 61 O-Ring Flange - 110° Bent Tube

-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FL110-094	7347-85635	1 1/2	38.1	2.36	59.9	3.70	94.0	7.95	201.9	5.07	128.8	.31	7.9	3.43
32GSP-32FL110-140	7347-85465	2	50.8	2.81	71.4	3.51	89.2	9.80	248.9	6.40	162.6	.38	9.7	5.84

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

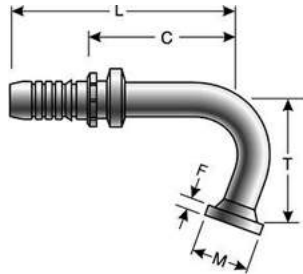
ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

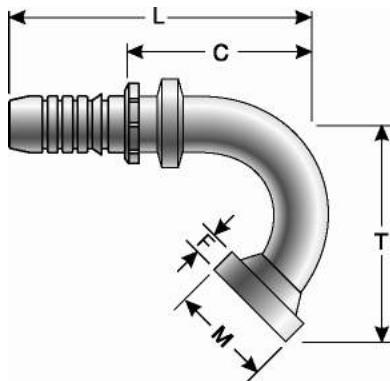
LIVE SWIVEL

BALL VALVES

ACCESSORIES

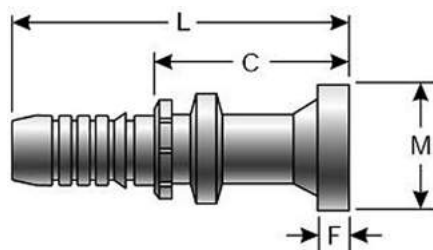
EQUIPMENT AND  
PARTS**Code 61 O-Ring Flange - 120° Bent Tube**-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
See Accessories for O-Rings.

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FL120-119	7347-85645	1 1/2	38.1	2.36	59.9	4.69	119.1	7.20	182.9	4.31	109.5	.31	7.9	3.81

**Code 61 O-Ring Flange - 125° Bent Tube**-24FL Max. W.P. 3,000 psi; -32FL Max. W.P. 3,000 psi.  
See Accessories for O-Rings.

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GSP-32FL125-150	7347-85475	2	50.8	2.81	71.4	3.90	99.1	8.30	210.8	4.70	119.4	.38	9.7	5.89

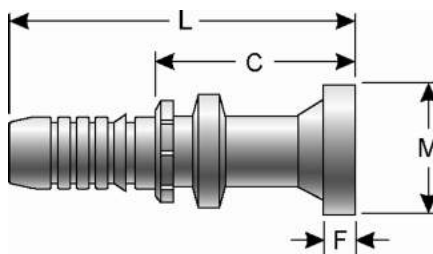
## Code 61 Flange Without O-Ring Groove



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FLFF	7347-85655	1 1/2	38.1	2.38	60.5	6.02	152.9	3.12	79.3	.32	8.1	1.78

## Code 62 O-Ring Flange Heavy

See Accessories for O-Rings.

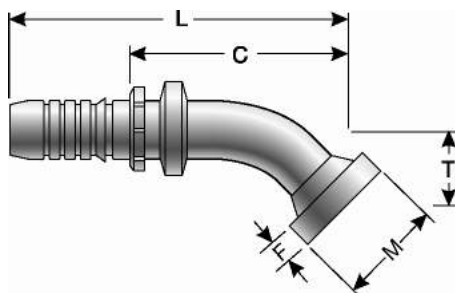


Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FLH	7347-48725	1 1/2	38.1	2.50	63.5	6.57	166.9	3.68	93.5	.50	12.7	.99
24GSP-32FLH	7347-48735	1 1/2	38.1	3.13	79.5	6.57	166.9	3.68	93.5	.50	12.7	2.87
32GSP-32FLH	7347-48795	2	50.8	3.13	79.5	7.09	180.1	3.46	87.9	.50	12.7	3.40

## Code 62 O-Ring Flange Heavy - 45° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.

See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FLH45M	7347-51725	1 1/2	38.1	2.50	63.5	1.73	43.9	7.56	192.0	4.65	118.1	.50	12.7	2.70

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

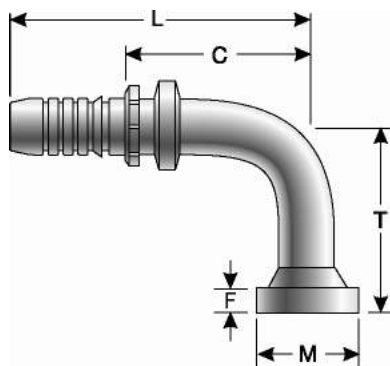
EQUIPMENT AND  
PARTS

## Code 62 O-Ring Flange Heavy - 45° Bent Tube - Continued

Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-32FLH45S	7347-51735	1 1/2	38.1	3.13	79.5	2.05	52.1	7.87	199.9	4.98	126.5	.50	12.7	3.48
32GSP-32FLH45-066	7347-51805	2	50.8	3.13	79.5	2.60	66.0	10.67	271.0	7.06	179.3	.50	12.7	5.65

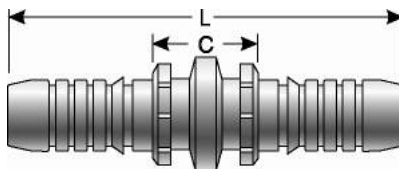
## Code 62 O-Ring Flange Heavy - 90° Bent Tube

S, M and L Drops per ISO Final Draft International Standard 12151-3.  
See Accessories for O-Rings.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FLH90-094	7347-79105	1 1/2	38.1	2.50	63.5	3.70	94.0	6.91	175.5	4.01	101.9	.50	12.7	3.12
24GSP-32FLH90S	7347-54735	1 1/2	38.1	3.13	79.5	4.72	119.9	6.96	176.8	4.06	103.1	.49	12.5	4.12
32GSP-32FLH90M	7347-75795	2	50.8	3.13	79.5	5.40	137.2	8.72	221.5	5.09	129.3	.50	12.7	6.21

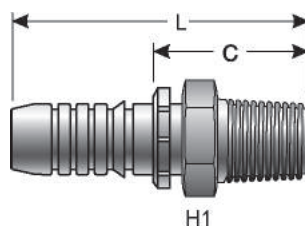
## Hose Length Extender



Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
24GSP-24HLE	7347-85445	1 1/2	38.1	7.33	186.2	1.53	38.9	1.50
32GSP-32HLE	7347-79335	2	50.8	8.76	222.5	1.52	38.6	2.55



## Male British Standard Pipe Tapered



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSP-24MBSPT	7347-95235	1 1/2	38.1	1 1/2-11	55	5.12	130.1	2.22	56.4	1.50

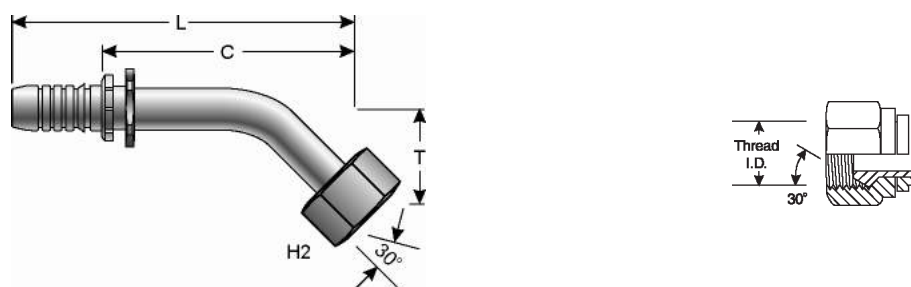
## Female British Standard Parallel Pipe O-Ring Swivel



Descr.	Prod. No.	⊖		🌀	H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
24GSP-24FBSPORX	7347-95025	1 1/2	38.1	1 1/2-11	55	4.92	125.0	2.01	51.1	1.95
32GSP-32FBSPORX	7347-95105	2	50.8	2-11	70	5.98	151.9	2.36	59.9	3.92

## Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube

S, M and L Drops and Hex per ISO Working Draft 12151-6.



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
24GSP-24FBSPORX45	7347-95035	1 1/2	38.1	1 1/2-11	55	1.96	49.8	8.44	214.4	5.54	140.7	3.00
32GSP-32FBSPORX45	7347-95115	2	50.8	2-11	70	2.45	62.2	10.87	276.1	7.24	183.9	6.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

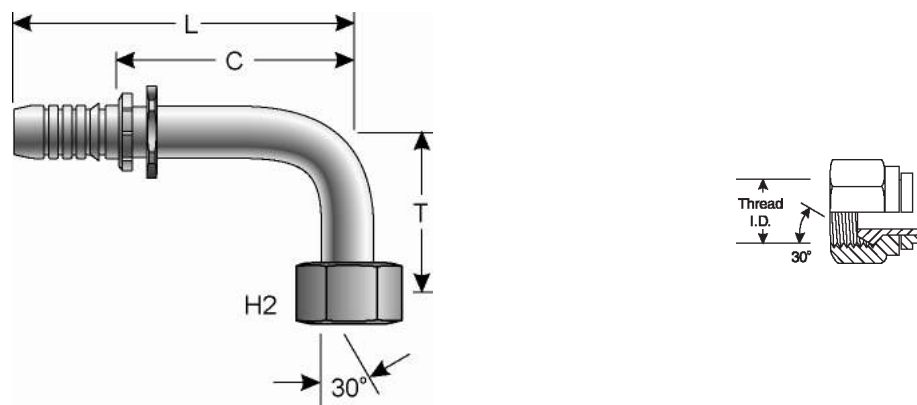
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube

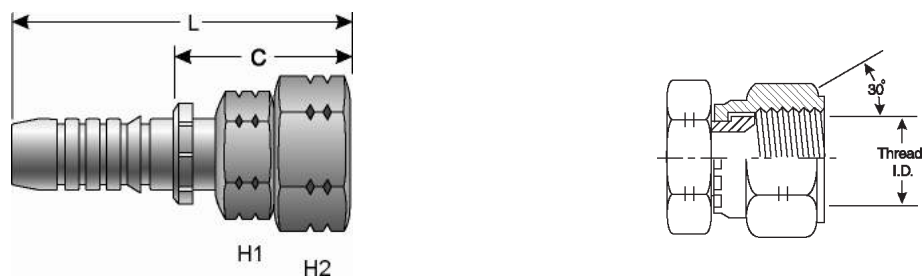
S, M and L Drops and Hex per ISO Working Draft 12151-6.




Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24GSP-24FBSPORX90	7347-95045	1 1/2	38.1	1 1/2-11	55	3.93	99.8	7.66	194.6	4.75	120.7	3.40
32GSP-32FBSPORX90	7347-95125	2	50.8	2-11	70	5.08	129.0	10.02	254.5	6.40	162.6	7.17

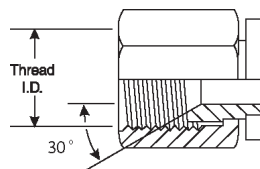
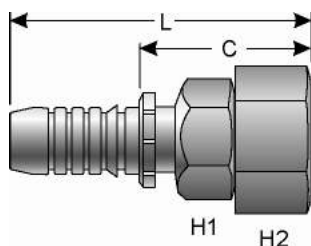
## Female Komatsu Style Japanese Metric Swivel

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



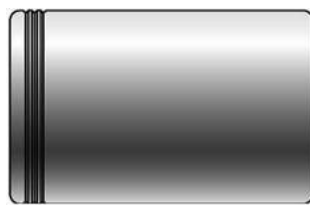
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm	"	mm	mm	"	mm	"	mm	
24GSP-24FKX	7347-35725	1 1/2	38.1	M42X1.5	49	59	5.81	147.6	2.92	74.2	2.10

## Female Japanese Industrial Standard 30° Flare Swivel



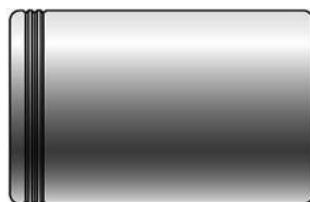
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
24GSP-24FJISX	7347-79345	1 1/2	38.1	1 1/2-11	54	54	5.61	142.5	2.72	69.1	1.84

## GSP Ferrule for 4-Spiral Hose



Descr.	Prod. No.	⊖		L		⊕		Weight (Lbs.)
		"	mm	"	mm	"	mm	
24GSP1F-4	7347-03175	1 1/2	38.1	3.01	76.5	2.83	71.9	1.36
32GSP1F-4	7347-03195	2	50.8	3.58	90.9	3.35	85.1	1.74

## GSP Ferrule for Wire Braid Hose



Descr.	Prod. No.	⊖		L		⊕		Weight (Lbs.)
		"	mm	"	mm	"	mm	
24GSP1F-2	7347-03165	1 1/2	38.1	2.98	75.7	2.76	70.1	1.08
32GSP1F-2	7347-03185	2	50.8	3.54	89.9	3.29	83.6	1.56

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

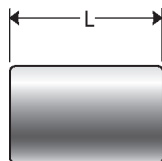
ACCESSORIES



EQUIPMENT AND  
PARTS

NOTES

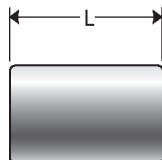
This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## PCM Skive Ferrules



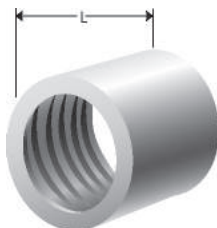
Descr.	Prod. No.		L				Weight (Lbs.)
		"	"	mm	"	mm	
10PCM-2F	7343-02605	5/8	1.81	46.0	1.41	35.8	.30
12PCM-2F	7343-02515	3/4	2.05	52.1	1.74	44.2	.33
16PCM-2F	7343-02525	1	2.28	57.9	1.70	43.2	.45
20PCM-2F	7343-02565	1 1/4	2.84	72.1	2.15	54.6	.72
24PCM-2F	7343-02545	1 1/2	3.50	88.9	2.44	62.0	1.45
32PCM-2F	7343-02575	2	3.68	93.5	3.45	87.6	2.48



## PCM-G6K Ferrules



Descr.	Prod. No.		L				Weight (Lbs.)
		"	"	mm	"	mm	
24PCM-G6K	7343-09805	1 1/2	3.53	89.7	2.77	70.4	1.64

## PCS Non-Skive Ferrules



Descr.	Prod. No.		L				Weight (Lbs.)
		"	"	mm	"	mm	
6PCS1F	7342-07705	3/8	1.10	27.9	1.23	31.2	.12
8PCS1F	7342-07715	1/2	1.50	38.1	1.36	34.5	.18
12PCS1F	7342-07725	3/4	1.97	50.0	1.65	41.9	.28

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

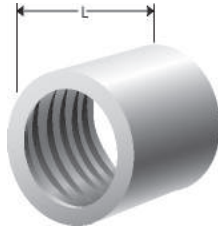
LIVE SWIVEL



BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## PCS Skive Ferrules



Descr.	Prod. No.		L				Weight (Lbs.)
		"	"	mm	"	mm	
6PCS-2F	7342-02585	3/8	1.10	27.9	1.01	25.7	.37
8PCS-2F	7342-02595	1/2	1.50	38.1	1.21	30.7	.40
12PCS-2F	7342-07545	3/4	1.97	50.0	1.50	38.1	1.50
16PCS-2F	7342-07555	1	2.07	52.6	1.97	50.0	.35
20PCS-2F	7342-07565	1 1/4	2.77	70.4	2.25	57.2	.80
24PCS-2F	7342-07575	1 1/2	2.77	70.4	2.54	64.5	.89
32PCS-2F	7342-07585	2	3.43	87.1	3.08	78.2	1.69

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

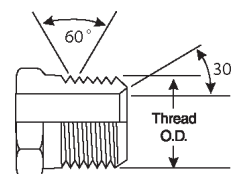
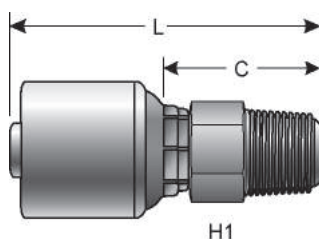
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

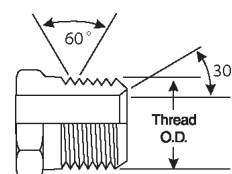
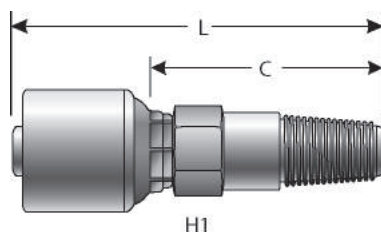
## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	
4G-2MP	7100-10025	1/4	6.4	1/8-27	1/2	1.96	49.8	.94	23.9	.11
4G-4MP	7100-10035	1/4	6.4	1/4-18	9/16	2.17	55.0	1.14	29.0	.13
4G-6MP	7100-10045	1/4	6.4	3/8-18	11/16	2.17	55.0	1.14	29.0	.15
4G-8MP	7100-10055	1/4	6.4	1/2-14	7/8	2.44	62.0	1.41	35.8	.22
5G-4MP	7100-00065	5/16	7.9	1/4-18	5/8	2.28	58.0	1.18	30.0	.15
5G-6MP	7100-10065	5/16	7.9	3/8-18	11/16	2.32	59.0	1.22	31.0	.17
6G-4MP	7100-10075	3/8	9.5	1/4-18	5/8	2.32	58.9	1.22	31.0	.17
6G-6MP	7100-10085	3/8	9.5	3/8-18	11/16	2.32	58.9	1.22	31.0	.18
6G-8MP	7100-10095	3/8	9.5	1/2-14	7/8	2.51	63.8	1.42	36.1	.23
8G-4MP	7100-10105	1/2	12.7	1/4-18	13/16	2.72	69.0	1.24	31.5	.26
8G-6MP	7100-00105	1/2	12.7	3/8-18	13/16	2.72	69.0	1.24	31.5	.28
8G-8MP	7100-00115	1/2	12.7	1/2-14	7/8	2.87	73.0	1.40	35.5	.27
8G-12MP	7100-00125	1/2	12.7	3/4-14	1 1/16	2.95	74.9	1.47	37.3	.36
10G-8MP	7100-00225	5/8	15.9	1/2-14	15/16	2.95	75.0	1.48	37.5	.35
10G-12MP	7100-00235	5/8	15.9	3/4-14	1 1/16	2.95	75.0	1.48	37.5	.42
12G-8MP	7100-00155	3/4	19.1	1/2-14	1 1/16	3.46	87.9	1.45	36.8	.55
12G-12MP	7100-00165	3/4	19.1	3/4-14	1 1/16	3.46	87.9	1.45	36.8	.62
12G-16MP	7100-00175	3/4	19.1	1-11 1/2	1 3/8	3.77	95.8	1.77	45.0	.70
16G-12MP	7100-00195	1	25.4	3/4-14	1 3/8	3.93	99.8	1.70	43.2	1.11
16G-16MP	7100-00205	1	25.4	1-11 1/2	1 3/8	4.11	104.4	1.87	47.5	1.05
20G-20MP	7100-00215	1 1/4	31.8	1 1/4-11 1/2	1 3/4	4.44	112.8	2.12	53.8	1.52

## Male Pipe Long Nose

For use with J2AT Jack Hose and special high-pressure applications.



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	
4G-4MPLN	7100-16615	1/4	6.4	1/4-18	9/16	2.56	65.0	1.54	39.0	.15
4G-6MPLN	7100-16625	1/4	6.4	3/8-18	11/16	2.56	65.0	1.54	39.0	.16
6G-4MPLN	7100-16645	3/8	9.5	1/4-18	5/8	2.72	69.0	1.62	41.1	.17
6G-6MPLN	7100-16635	3/8	9.5	3/8-18	11/16	2.72	69.0	1.62	41.1	.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

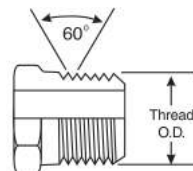
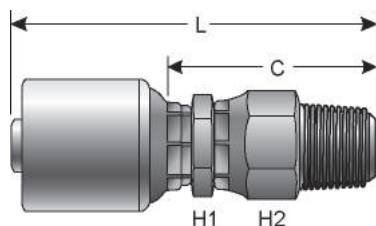
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)

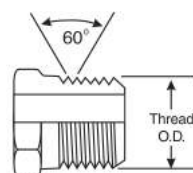
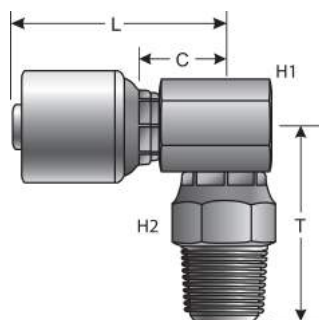
NOT TO BE USED AS A LIVE SWIVEL.



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	
4G-2MPX	7100-10245	1/4	6.4	1/8-27	1/2	1/2	2.39	60.7	1.37	34.8	.12
4G-4MPX	7100-10255	1/4	6.4	1/4-18	1/2	11/16	2.61	66.3	1.58	40.1	.11
4G-6MPX	7100-10265	1/4	6.4	3/8-18	5/8	7/8	2.73	69.3	1.71	43.4	.16
4G-8MPX	7100-10275	1/4	6.4	1/2-14	3/4	1	2.97	75.4	1.94	49.4	.29
6G-4MPX	7100-10285	3/8	9.5	1/4-18	5/8	7/8	2.87	72.8	1.77	44.9	.27
6G-6MPX	7100-10295	3/8	9.5	3/8-18	5/8	7/8	2.81	71.4	1.71	43.4	.27
6G-8MPX	7100-10305	3/8	9.5	1/2-14	3/4	1	3.04	77.2	1.94	49.3	.33
8G-6MPX	7100-00315	1/2	12.7	3/8-18	13/16	7/8	3.22	81.8	1.75	44.5	.27
8G-8MPX	7100-00325	1/2	12.7	1/2-14	13/16	1	3.42	86.9	1.94	49.3	.47
10G-12MPX	7100-00335	5/8	15.9	3/4-14	1 1/16	1 5/16	3.48	88.4	2.01	51.1	.67
12G-8MPX	7100-00345	3/4	19.1	1/2-14	1 1/16	1	3.97	100.8	1.96	49.8	.68
12G-12MPX	7100-00355	3/4	19.1	3/4-14	1 1/16	1 5/16	4.01	101.9	2.00	50.8	.49
16G-16MPX	7100-00365	1	25.4	1-11 1/2	1 3/8	1 5/8	4.73	120.1	2.49	63.2	1.25

## Male Pipe Swivel - 90° Block (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.

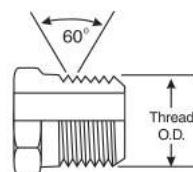
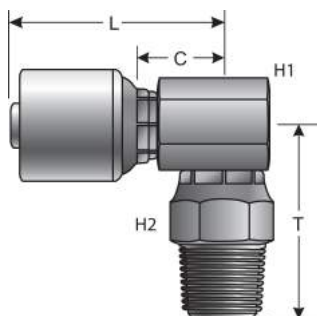



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
4G-2MPX90	7100-10365	1/4	6.4	1/8-27	11/16	1/2	1.20	30.5	1.75	44.4	.72	18.3	.20
4G-4MPX90	7100-10375	1/4	6.4	1/4-18	11/16	11/16	1.62	41.1	1.75	44.5	.72	18.3	.25
4G-6MPX90	7100-10385	1/4	6.4	3/8-18	11/16	7/8	1.73	43.9	1.82	46.2	.79	20.1	.33
6G-4MPX90	7100-10395	3/8	9.5	1/4-18	3/4	11/16	1.65	41.9	1.96	49.7	.85	21.6	.33
6G-6MPX90	7100-10405	3/8	9.5	3/8-18	3/4	7/8	1.76	44.7	1.96	49.7	.85	21.6	.39
6G-8MPX90	7100-10415	3/8	9.5	1/2-14	3/4	1	1.93	49.1	1.96	49.7	.85	21.6	.42
8G-6MPX90	7100-07135	1/2	12.7	3/8-18	—	7/8	1.88	47.8	2.55	64.7	1.07	27.2	.46
8G-8MPX90	7100-00425	1/2	12.7	1/2-14	—	1	2.05	52.1	2.55	64.7	1.07	27.2	.61
12G-12MPX90	7100-00435	3/4	19.1	3/4-14	—	1 5/16	2.30	58.4	3.17	80.5	1.16	29.5	1.17

## Male Pipe Swivel - 90° Long Block (NPTF - Without 30° Cone Seat)

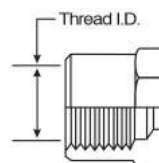
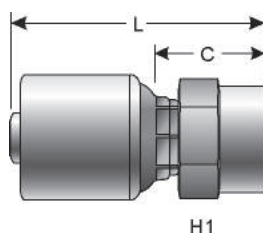
NOT TO BE USED AS A LIVE SWIVEL.


These couplings have a longer reach (L dimension) to accommodate the OmniCrimp 21 crimper.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
6G-8MPX90L	7100-00445	3/8	9.5	1/2-14	3/4	1	1.93	49.0	3.40	86.4	1.94	49.3	.40
8G-8MPX90L	7100-00455	1/2	12.7	1/2-14	1	1	2.06	52.3	3.27	83.1	1.80	45.7	.82
12G-12MPX90L	7100-00475	3/4	19.1	3/4-14	1 3/8	1 5/16	2.30	58.4	3.93	99.7	1.92	48.7	1.60

## Female Pipe (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	
4G-2FP	7100-10485	1/4	6.4	1/8-27	9/16	1.74	44.2	.72	18.3	.12
4G-4FP	7100-10495	1/4	6.4	1/4-18	11/16	1.98	50.3	.96	24.4	.13
4G-6FP	7100-10505	1/4	6.4	3/8-18	13/16	1.98	50.3	.96	24.4	.14
6G-4FP	7100-10515	3/8	9.5	1/4-18	11/16	2.00	50.8	.90	22.9	.15
6G-6FP	7100-10525	3/8	9.5	3/8-18	13/16	2.06	52.3	.96	24.4	.18
6G-8FP	7100-10535	3/8	9.5	1/2-14	1	2.24	56.9	1.14	29.0	.21
8G-6FP	7100-00545	1/2	12.7	3/8-18	13/16	2.46	62.5	.98	24.9	.25
8G-8FP	7100-00555	1/2	12.7	1/2-14	1	2.63	66.8	1.16	29.5	.30
12G-12FP	7100-00565	3/4	19.1	3/4-14	1 1/4	3.22	81.8	1.22	31.0	.55

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
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POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
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POLARSEAL  
COUPLINGS

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COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

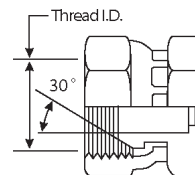
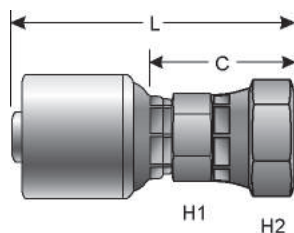
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

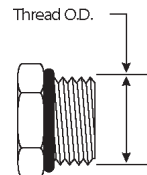
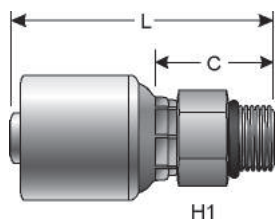
## Female Pipe Swivel (NPSM - 30° Cone Seat)



Descr.	Prod. No.	⌀		🌀	H1		H2	L		C		Weight (Lbs.)
		"	mm		"	mm		"	mm	"	mm	
4G-4FPX	7100-10575	1/4	6.4	1/4-18	1/2	—	11/16	2.24	56.9	1.21	30.7	.16
6G-6FPX	7100-10585	3/8	9.5	3/8-18	5/8	—	7/8	2.48	63.0	1.38	35.1	.23
6G-8FPX	7100-10595	3/8	9.5	1/2-14	13/16	—	1	2.55	64.8	1.45	36.8	.29
8G-8FPX	7100-00595	1/2	12.7	1/2-14	13/16	—	1	2.88	73.2	1.41	35.8	.35
12G-12FPX	7100-00605	3/4	19.1	3/4-14	—	27	1 1/4	3.71	94.2	1.70	43.2	.65
16G-16FPX	7100-00615	1	25.4	1-11 1/2	1 3/8	—	1 1/2	4.10	104.1	1.87	47.5	1.10
20G-20FPX	7100-00625	1 1/4	31.8	1 1/4-11 1/2	1 3/4	—	1 7/8	4.67	118.6	2.26	57.4	1.71

## Male O-Ring Boss

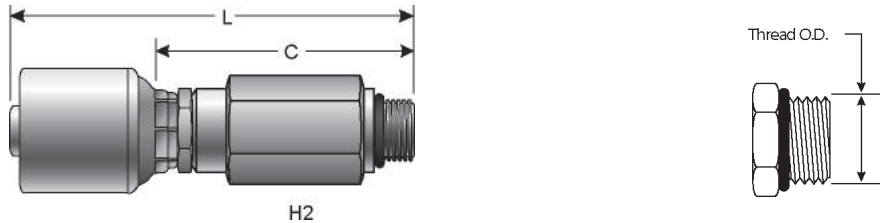
SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-4MB	7100-12205	1/4	6.4	7/16-20	9/16	1.99	50.5	.96	24.5	.13
4G-5MB	7100-12215	1/4	6.4	1/2-20	5/8	1.99	50.5	.96	24.5	.13
4G-6MB	7100-12225	1/4	6.4	9/16-18	11/16	2.05	52.0	1.02	26.0	.16
6G-5MB	7100-12285	3/8	9.5	1/2-20	5/8	2.05	52.0	.95	24.1	.15
6G-6MB	7100-13235	3/8	9.5	9/16-18	11/16	2.20	56.0	1.11	28.1	.15
6G-8MB	7100-13245	3/8	9.5	3/4-16	7/8	2.28	58.0	1.19	30.1	.31
6G-10MB	7100-12255	3/8	9.5	7/8-14	1	2.22	56.5	1.13	28.6	.26
6G-12MB	7100-12265	3/8	9.5	1 1/16-12	1 1/4	2.42	61.5	1.32	33.6	.26
8G-8MB	7100-13275	1/2	12.7	3/4-16	7/8	2.64	67.0	1.16	29.5	.30
8G-10MB	7100-13285	1/2	12.7	7/8-14	1	2.68	68.0	1.20	30.5	.35
8G-12MB	7100-13295	1/2	12.7	1 1/16-12	1 1/4	2.91	74.0	1.44	36.5	.50
10G-8MB	7100-02305	5/8	15.9	3/4-16	15/16	2.83	72.0	1.36	34.5	.37
10G-10MB	7100-13315	5/8	15.9	7/8-14	1	2.83	72.0	1.36	34.5	.40
10G-12MB	7100-13325	5/8	15.9	1 1/16-12	1 1/4	2.99	76.0	1.52	38.5	.55
12G-10MB	7100-02265	3/4	19.1	7/8-14	1	3.23	82.1	1.22	31.1	.55
12G-12MB	7100-02335	3/4	19.1	1 1/16-12	1 1/4	3.33	84.5	1.32	33.5	.60
12G-14MB	7100-02345	3/4	19.1	1 3/16-12	1 3/8	3.31	84.0	1.30	33.0	.68
12G-16MB	7100-02355	3/4	19.1	1 5/16-12	1 1/2	3.44	87.5	1.44	36.5	.68
16G-14MB	7100-02365	1	25.4	1 3/16-12	1 3/8	3.78	96.0	1.54	39.2	.97
16G-16MB	7100-02375	1	25.4	1 5/16-12	1 1/2	3.84	97.5	1.60	40.7	1.08
16G-20MB	7100-02255	1	25.4	1 5/8-12	1 7/8	3.74	95.0	1.50	38.2	1.35
20G-20MB	7100-02385	1 1/4	31.8	1 5/8-12	1 7/8	3.90	99.0	1.57	40.0	1.48

## Male O-Ring Boss Swivel

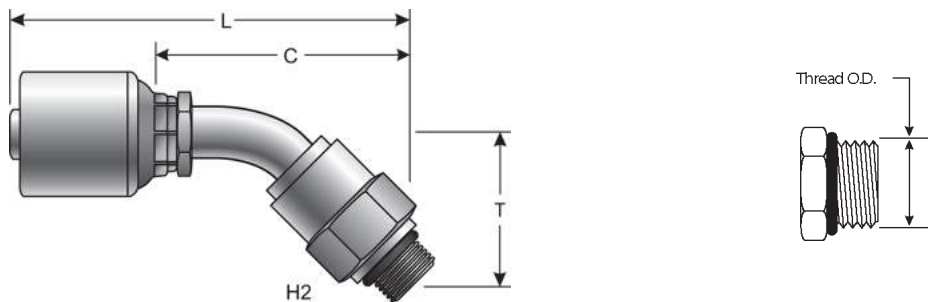
NOT TO BE USED AS A LIVE SWIVEL.  
NOTE: Internal O-Rings rated at 250°F (121°C).  
SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⊖		🌀	H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-4MBX	7209-40015	1/4	6.4	7/16-20	19	3.21	81.5	2.19	55.5	.27
4G-6MBX	7209-40025	1/4	6.4	9/16-18	19	3.21	81.5	2.19	55.5	.28
6G-6MBX	7209-40045	3/8	9.5	9/16-18	22	3.33	84.5	2.23	56.6	.35
6G-8MBX	7209-40055	3/8	9.5	3/4-16	23	3.33	84.5	2.23	56.6	.40
6G-10MBX	7209-40065	3/8	9.5	7/8-14	27	3.21	81.5	2.11	53.6	.44
8G-8MBX	7209-40085	1/2	12.7	3/4-16	23	3.78	96.0	2.30	58.5	.50
8G-10MBX	7209-40095	1/2	12.7	7/8-14	27	3.84	97.5	2.36	60.0	.49
10G-10MBX	7209-40115	5/8	15.9	7/8-14	32	3.88	98.5	2.40	61.0	.53
12G-12MBX	7209-40145	3/4	19.1	1 1/16-12	32	4.55	115.5	2.54	64.5	.92

## Male O-Ring Boss Swivel - 45° Bent Tube

NOT TO BE USED AS A LIVE SWIVEL.  
NOTE: Internal O-Rings rated at 250°F (121°C).  
SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
6G-6MBX45	7209-40225	3/8	9.5	9/16-18	22	1.52	38.7	3.65	92.6	2.54	64.6	.35
6G-8MBX45	7209-40235	3/8	9.5	3/4-16	24	1.52	38.7	3.65	92.6	2.54	64.6	.42
8G-8MBX45	7209-40255	1/2	12.7	3/4-16	24	1.64	41.7	4.24	107.7	2.77	70.3	.52
8G-10MBX45	7209-40265	1/2	12.7	7/8-14	27	1.69	42.8	4.28	108.8	2.81	71.3	.61

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

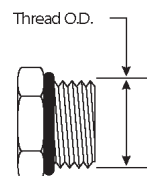
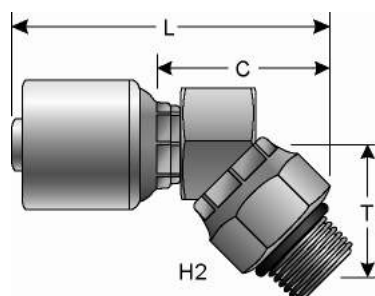
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male O-Ring Boss Swivel - 45° Block

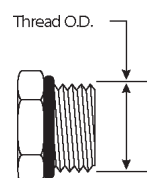
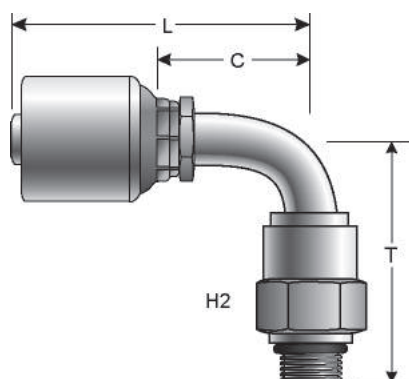
NOT TO BE USED AS A LIVE SWIVEL.  
NOTE: Internal O-Rings rated at 250°F (121°C).  
SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
6G-6MBX45BL	7100-12475	3/8	9.5	9/16-18	7/8	1.09	27.8	3.11	79.0	2.01	51.0	.33
6G-8MBX45BL	7100-12485	3/8	9.5	3/4-16	1	1.06	26.9	3.07	78.1	1.98	50.2	.39
8G-8MBX45BL	7100-02495	1/2	12.7	3/4-16	1	1.12	28.4	3.04	77.2	1.56	39.7	.44
8G-10MBX45BL	7100-02505	1/2	12.7	7/8-14	1	1.16	29.5	3.08	78.3	1.61	40.8	.46

## Male O-Ring Boss Swivel - 90° Bent Tube

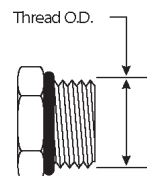
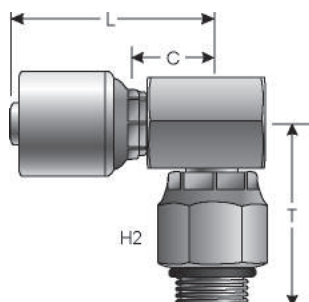
NOT TO BE USED AS A LIVE SWIVEL.  
NOTE: Internal O-Rings rated at 250°F (121°C).  
SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4G-6MBX90	7209-40425	1/4	6.4	9/16-18	7/8	2.36	60.0	2.19	55.6	1.17	29.6	.29
6G-6MBX90	7209-40455	3/8	9.5	9/16-18	7/8	2.48	63.1	2.47	62.8	1.37	34.8	.40
6G-8MBX90	7209-40475	3/8	9.5	3/4-16	1	2.48	63.1	2.47	62.8	1.37	34.8	.45
6G-10MBX90	7209-40485	3/8	9.5	7/8-14	1	2.37	60.1	2.47	62.8	1.37	34.8	.47
8G-8MBX90	7209-40505	1/2	12.7	3/4-16	1	2.76	70.1	3.16	80.3	1.69	42.9	.56
8G-10MBX90	7209-40525	1/2	12.7	7/8-14	1	2.82	71.6	3.16	80.3	1.69	42.9	.59
8G-12MBX90	7209-40545	1/2	12.7	1 1/16-12	1 1/4	2.90	73.6	3.16	80.3	1.69	42.9	.80
10G-10MBX90	7209-40585	5/8	15.9	7/8-14	1 5/16	3.14	79.8	3.55	90.1	2.07	52.6	.68
10G-12MBX90	7209-40605	5/8	15.9	1 1/16-12	1	3.18	80.8	3.55	90.1	2.07	52.6	.86
12G-12MBX90	7209-40645	3/4	19.1	1 1/16-12	1 5/16	3.42	86.8	4.33	110.1	2.33	59.1	1.05

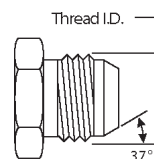
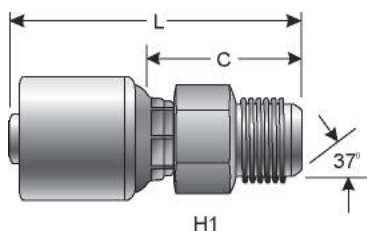
## Male O-Ring Boss Swivel - 90° Block

NOT TO BE USED AS A LIVE SWIVEL.  
NOTE: Internal O-Rings rated at 250°F (121°C).  
SAE J1926/3 ISO 11926-3 Light-Duty (L Series) Stud End.



Descr.	Prod. No.	⌀		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4G-5MBX90BL	7100-12555	1/4	6.4	1/2-20	11/16	1.57	40.0	1.75	44.4	.80	20.2	.20
4G-6MBX90BL	7100-12515	1/4	6.4	9/16-18	7/8	1.65	41.8	1.82	46.3	.80	20.2	.33
6G-10MBX90BL	7100-12545	3/8	9.5	7/8-14	1	1.69	42.8	1.95	49.6	.85	21.7	.40
8G-8MBX90BLL	7100-02705	1/2	12.7	3/4-16	1	1.75	44.4	3.27	83.1	1.80	45.6	.78
8G-10MBX90BL	7100-02565	1/2	12.7	7/8-14	1	1.81	46.0	2.55	64.7	1.07	27.2	.59
8G-10MBX90BLL	7100-02715	1/2	12.7	7/8-14	1	1.81	46.0	3.27	83.1	1.80	45.6	.80
8G-12MBX90BL	7100-02575	1/2	12.7	1 1/16-12	1 5/16	2.09	53.1	2.52	64.1	1.07	27.2	.82
8G-12MBX90BLL	7100-02725	1/2	12.7	1 1/16-12	1 5/16	2.09	53.1	3.76	95.5	2.28	58.0	1.10
10G-10MBX90BLL	7100-02735	5/8	15.9	7/8-14	1	1.81	46.0	3.15	79.9	1.67	42.4	.79
12G-12MBX90BLL	7100-02755	3/4	19.1	1 1/16-12	1 5/16	2.28	57.9	3.94	100.0	1.93	49.0	1.54

## Male JIC 37° Flare



Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-4MJ	7103-36045	1/4	6.4	7/16-20	14	2.19	55.5	1.16	29.5	.12
4G-5MJ	7103-36055	1/4	6.4	1/2-20	14	2.19	55.5	1.16	29.5	.16
4G-6MJ	7103-36065	1/4	6.4	9/16-18	17	2.22	56.5	1.20	30.5	.15
5G-5MJ	7103-36105	5/16	7.9	1/2-20	17	2.26	57.5	1.16	29.5	.15
5G-6MJ	7103-36115	5/16	7.9	9/16-18	17	2.26	57.5	1.16	29.5	.16
6G-6MJ	7103-36155	3/8	9.5	9/16-18	17	2.30	58.5	1.20	30.6	.15
6G-8MJ	7103-36165	3/8	9.5	3/4-16	19	2.48	63.0	1.38	35.1	.20
6G-10MJ	7103-36175	3/8	9.5	7/8-14	24	2.64	67.0	1.54	39.1	.30
8G-8MJ	7103-36215	1/2	12.7	3/4-16	22	2.81	71.5	1.34	34.0	.30
8G-10MJ	7103-36225	1/2	12.7	7/8-14	24	2.91	74.0	1.44	36.5	.32
8G-12MJ	7103-36235	1/2	12.7	1 1/16-12	27	3.19	81.0	1.71	43.5	.43
10G-8MJ	7103-36265	5/8	15.9	3/4-16	27	2.93	74.5	1.46	37.0	.39
10G-10MJ	7103-36275	5/8	15.9	7/8-14	27	3.03	77.0	1.56	39.5	.42
10G-12MJ	7103-36285	5/8	15.9	1 1/16-12	27	3.19	81.0	1.71	43.5	.49

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

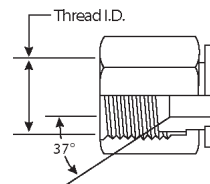
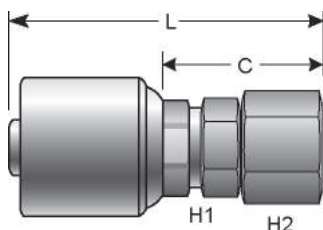
ACCESSORIES

EQUIPMENT AND  
PARTS

## Male JIC 37° Flare - Continued

Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
12G-10MJ	7103-36315	3/4	19.1	7/8-14	27	3.68	93.5	1.67	42.5	.55
12G-12MJ	7103-36325	3/4	19.1	1 1/16-12	27	3.72	94.5	1.71	43.5	.63
12G-14MJ	7103-36335	3/4	19.1	1 3/16-12	32	3.76	95.5	1.75	44.5	.64
12G-16MJ	7103-36345	3/4	19.1	1 5/16-12	36	3.78	96.0	1.77	45.0	.85
16G-14MJ	7103-36375	1	25.4	1 3/16-12	36	4.09	104.0	1.86	47.2	1.10
16G-16MJ	7103-36385	1	25.4	1 5/16-12	36	4.11	104.5	1.88	47.7	1.06
16G-20MJ	7103-36395	1	25.4	1 5/8-12	46	4.29	109.0	2.06	52.2	1.52
20G-20MJ	7103-36435	1 1/4	31.8	1 5/8-12	46	4.43	112.5	2.11	53.5	1.61
20G-24MJ	7103-36445	1 1/4	31.8	1 7/8-12	50	4.43	112.5	2.11	53.5	1.87

## Female JIC 37° Flare Swivel



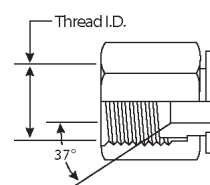
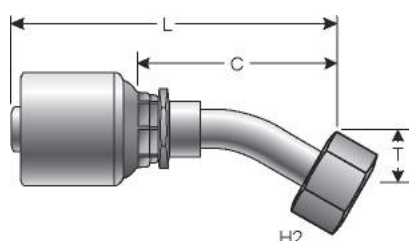
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4G-4FJX	7103-08045	1/4	6.4	7/16-20	15	14	2.20	55.9	1.18	29.9	.14
4G-5FJX	7103-08055	1/4	6.4	1/2-20	15	17	2.30	58.3	1.27	32.3	.17
4G-6FJX	7103-08065	1/4	6.4	9/16-18	15	19	2.35	59.6	1.32	33.6	.17
5G-5FJX	7103-09095	5/16	7.9	1/2-20	17	17	2.44	62.1	1.34	34.1	.18
5G-6FJX	7103-09105	5/16	7.9	9/16-18	17	19	2.50	63.6	1.40	35.6	.21
6G-4FJX	7103-09135	3/8	9.5	7/16-20	15.9	14	2.94	74.7	1.84	46.8	.21
6G-4FJXSP	7103-10125	3/8	9.5	7/16-20	17	14	2.30	58.4	1.20	30.5	.16
6G-5FJX	7103-09125	3/8	9.5	1/2-20	17	17	2.96	75.2	1.86	47.3	.20
6G-5FJXSP	7103-10135	3/8	9.5	1/2-20	17	17	2.27	57.7	1.17	29.8	.18
6G-6FJX	7103-08145	3/8	9.5	9/16-18	18	19	2.42	61.5	1.29	32.7	.19
6G-8FJX	7103-08155	3/8	9.5	3/4-16	18	24	2.63	66.7	1.49	37.9	.27
6G-10FJX	7103-08165	3/8	9.5	7/8-14	18	27	2.76	70.0	1.62	41.2	.31
6G-12FJX	7103-09175	3/8	9.5	1 1/16-12	17	32	2.91	74.0	1.81	46.0	.39
8G-6FJX	7103-09195	1/2	12.7	9/16-18	22	19	3.81	96.7	2.33	59.2	.36
8G-6FJXSP	7103-10195	1/2	12.7	9/16-18	22	19	2.67	67.8	1.19	30.3	.28
8G-8FJX	7103-08205	1/2	12.7	3/4-16	22	24	2.88	73.2	1.50	38.0	.37
8G-10FJX	7103-08215	1/2	12.7	7/8-14	22	27	3.01	76.5	1.63	41.3	.28
8G-12FJX	7103-08225	1/2	12.7	1 1/16-12	22	32	3.06	77.7	1.67	42.5	.45
8G-16FJX	7103-09235	1/2	12.7	1 5/16-12	22	41	3.52	89.3	2.04	51.8	.69
10G-8FJX	7103-09255	5/8	15.9	3/4-16	24	24	4.06	103.0	2.58	65.5	1.05
10G-8FJXSP	7103-10255	5/8	15.9	3/4-16	24	24	2.90	73.6	1.42	36.1	.36
10G-10FJX	7103-08265	5/8	15.9	7/8-14	24	27	3.14	79.7	1.66	42.2	.37
10G-12FJX	7103-08275	5/8	15.9	1 1/16-12	24	32	3.20	81.4	1.73	43.9	.47
10G-14FJX	7103-08285	5/8	15.9	1 3/16-12	24	36	3.39	86.1	1.91	48.6	.61
12G-8FJX	7103-10305	3/4	19.1	3/4-16	27	24	3.51	89.1	1.50	38.1	.57
12G-10FJX	7103-09315	3/4	19.1	7/8-14	27	27	4.80	122.0	2.80	71.0	.70
12G-10FJXSP	7103-10315	3/4	19.1	7/8-14	27	27	3.51	89.2	1.50	38.2	.53
12G-12FJX	7103-08325	3/4	19.1	1 1/16-12	30	32	3.74	95.0	1.73	44.0	.67
12G-14FJX	7103-08335	3/4	19.1	1 3/16-12	30	36	3.81	96.9	1.81	45.9	.82
12G-16FJX	7103-08345	3/4	19.1	1 5/16-12	30	41	3.85	97.9	1.85	46.9	.85



# Female JIC 37° Flare Swivel - Continued

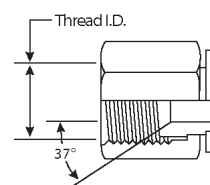
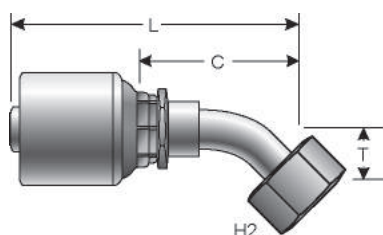
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
16G-12FJX	7103-09375	1	25.4	1 1/16-12	36	32	5.87	149.1	3.64	92.4	.96
16G-14FJX	7103-09385	1	25.4	1 3/16-12	36	36	6.31	160.4	4.08	103.6	1.36
16G-16FJX	7103-08395	1	25.4	1 5/16-12	36	41	4.24	107.8	2.01	51.0	1.21
16G-20FJX	7103-08405	1	25.4	1 5/8-12	36	50	4.54	115.3	2.30	58.5	1.35
20G-20FJX	7103-08435	1 1/4	31.8	1 5/8-12	41	50	4.42	112.3	2.10	53.3	1.72
20G-24FJX	7103-08445	1 1/4	31.8	1 7/8-12	41	60	4.86	123.4	2.14	64.4	1.96

# Female JIC 37° Flare Swivel - 30° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
10G-12FJX30-018	7103-57005	5/8	15.9	1 1/16-12	32	.71	18.0	4.43	112.4	2.95	74.9	.53
12G-10FJX30-018	7103-59005	3/4	19.1	7/8-14	27	.71	18.0	4.45	113.0	2.44	62.0	.68

# Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
4G-4FJX45S	7103-46055	1/4	6.4	7/16-20	14	.39	10.0	2.74	69.7	1.72	43.7	.15
4G-5FJX45-011	7103-46075	1/4	6.4	1/2-20	17	.43	11.0	2.59	65.8	1.56	39.7	.15
4G-6FJX45S	7103-46135	1/4	6.4	9/16-18	19	.43	11.0	2.69	68.3	1.67	42.3	.19
5G-5FJX45-011	7103-46175	5/16	7.9	1/2-20	17	.43	11.0	2.69	68.3	1.59	40.3	.19
5G-6FJX45S	7103-46195	5/16	7.9	9/16-18	19	.43	11.0	2.85	72.4	1.75	44.4	.21
6G-4FJX45S	7103-46215	3/8	9.5	7/16-20	14	.39	10.0	2.86	72.7	1.76	44.8	.17
6G-6FJX45S	7103-46235	3/8	9.5	9/16-18	19	.43	11.0	3.05	77.5	1.95	49.6	.23
6G-8FJX45S	7103-46255	3/8	9.5	3/4-16	24	.59	15.0	3.51	89.1	2.41	61.2	.25
8G-8FJX45S	7103-46295	1/2	12.7	3/4-16	24	.59	15.0	3.42	86.9	1.95	49.5	.38
8G-10FJX45S	7103-46315	1/2	12.7	7/8-14	27	.63	16.0	3.81	96.8	2.34	59.4	.41
10G-10FJX45S	7103-46355	5/8	15.9	7/8-14	27	.63	16.0	3.80	96.4	2.32	59.0	.50
10G-12FJX45S	7103-46375	5/8	15.9	1 1/16-12	32	.83	21.0	4.57	116.0	3.09	78.5	.62
12G-10FJX45S	7103-46415	3/4	19.1	7/8-14	27	.75	19.0	4.58	116.3	2.57	65.3	.68

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

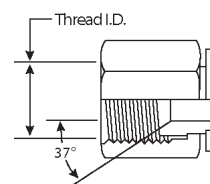
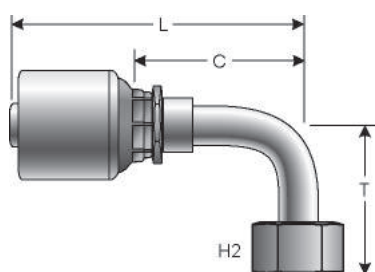
ACCESSORIES


EQUIPMENT AND  
PARTS

# Female JIC 37° Flare Swivel - 45° Bent Tube - Continued


Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FJX45S	7103-46425	3/4	19.1	1 1/16-12	32	.83	21.0	5.09	129.2	3.08	78.2	.80
12G-16FJX45S	7103-46455	3/4	19.1	1 5/16-12	41	.94	24.0	5.24	133.1	3.23	82.1	1.06
16G-12FJX45S	7103-46495	1	25.4	1 1/16-12	32	.83	21.0	5.48	139.2	3.24	82.4	1.15
16G-16FJX45S	7103-46505	1	25.4	1 5/16-12	41	.94	24.0	5.68	144.3	3.44	87.5	1.46
20G-20FJX45-035	7103-46605	1 1/4	31.8	1 5/8-12	50	1.38	35.0	6.65	169.0	4.33	110.0	2.15

# Female JIC 37° Flare Swivel - 90° Bent Tube

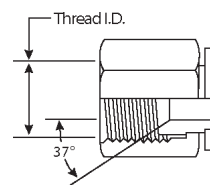
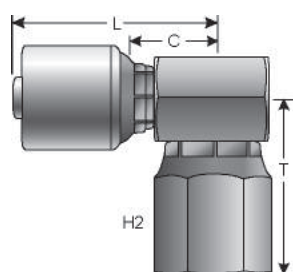



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
4G-4FJX90L	7103-47065	1/4	6.4	7/16-20	14	1.81	46.0	2.48	63.1	1.46	37.1	.15
4G-4FJX90M	7103-47055	1/4	6.4	7/16-20	14	1.26	32.0	2.48	63.1	1.46	37.1	.15
4G-4FJX90S	7103-47045	1/4	6.4	7/16-20	14	.83	21.0	2.48	63.1	1.46	37.1	.18
4G-5FJX90-023	7103-47075	1/4	6.4	1/2-20	17	.91	23.0	2.45	62.2	1.43	36.2	.18
4G-5FJX90L	7103-47105	1/4	6.4	1/2-20	17	1.81	46.0	2.25	57.2	1.23	31.2	.16
4G-5FJX90M	7103-47095	1/4	6.4	1/2-20	17	1.26	32.0	2.25	57.2	1.23	31.2	.15
4G-6FJX90L	7103-47145	1/4	6.4	9/16-18	19	2.13	54.0	2.73	69.3	1.70	43.2	.19
4G-6FJX90M	7103-47135	1/4	6.4	9/16-18	19	1.50	38.0	2.56	64.9	1.53	38.9	.20
4G-6FJX90S	7103-47125	1/4	6.4	9/16-18	19	.91	23.0	2.80	71.2	1.78	45.1	.20
5G-6FJX90M	7103-47175	5/16	7.9	9/16-18	19	1.50	38.0	2.99	76.0	1.89	48.0	.24
5G-6FJX90S	7103-47165	5/16	7.9	9/16-18	19	.91	23.0	2.96	75.2	1.86	47.2	.22
6G-4FJX90L	7103-47635	3/8	9.5	7/16-20	14	1.81	46.0	2.37	60.2	1.27	32.3	.15
6G-4FJX90S	7103-47195	3/8	9.5	7/16-20	14	.83	21.0	2.60	66.1	1.50	38.2	.02
6G-6FJX90L	7103-47225	3/8	9.5	9/16-18	19	2.13	54.0	2.78	70.6	1.68	42.7	.26
6G-6FJX90M	7103-47215	3/8	9.5	9/16-18	19	1.50	38.0	3.01	76.5	1.91	48.5	.25
6G-6FJX90S	7103-47205	3/8	9.5	9/16-18	19	.91	23.0	3.09	78.6	1.99	50.7	.24
6G-8FJX90L	7103-47265	3/8	9.5	3/4-16	24	2.52	64.0	3.33	84.5	2.23	56.6	.50
6G-8FJX90M	7103-47255	3/8	9.5	3/4-16	24	1.61	41.0	3.31	84.1	2.21	56.2	.23
6G-8FJX90S	7103-47245	3/8	9.5	3/4-16	24	1.14	29.0	3.18	80.7	2.08	52.8	.31
6G-10FJX90M	7103-47235	3/8	9.5	7/8-14	27	1.85	47.0	3.25	82.5	2.15	54.6	.35
8G-8FJX90L	7103-47305	1/2	12.7	3/4-16	24	2.52	64.0	3.04	77.3	1.57	39.9	.40
8G-8FJX90M	7103-47295	1/2	12.7	3/4-16	24	1.61	41.0	3.04	77.3	1.30	32.9	.40
8G-8FJX90S	7103-47285	1/2	12.7	3/4-16	24	1.14	29.0	3.19	81.0	1.71	43.6	.39
8G-10FJX90-089	7103-47655	1/2	12.7	7/8-14	27	3.50	89.0	3.65	92.8	2.18	55.3	.60
8G-10FJX90L	7103-47345	1/2	12.7	7/8-14	27	2.76	70.0	3.67	93.3	2.20	55.8	.57
8G-10FJX90M	7103-47335	1/2	12.7	7/8-14	27	1.85	47.0	3.67	93.3	2.20	55.8	.50
8G-10FJX90S	7103-47325	1/2	12.7	7/8-14	27	1.26	32.0	3.67	93.3	2.20	55.8	.51
8G-12FJX90S	7103-47355	1/2	12.7	1 1/16-12	32	1.22	48.0	2.73	69.3	1.78	70.0	.66
10G-10FJX90-036	7103-47675	5/8	15.9	7/8-14	27	1.42	36.0	3.50	89.0	2.03	51.5	.53
10G-10FJX90L	7103-47385	5/8	15.9	7/8-14	27	2.76	70.0	3.38	85.9	1.91	48.4	.51
10G-10FJX90M	7103-47375	5/8	15.9	7/8-14	27	1.85	47.0	3.68	93.4	2.20	55.9	.58
10G-12FJX90L	7103-47425	5/8	15.9	1 1/16-12	32	3.78	96.0	4.56	115.7	3.08	78.2	.75

# Female JIC 37° Flare Swivel - 90° Bent Tube - Continued

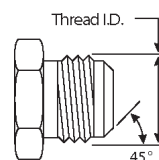
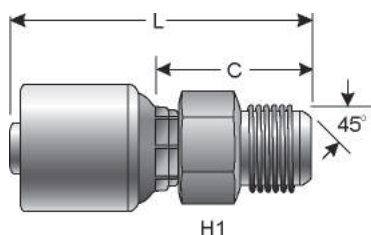
Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
10G-12FJX90M	7103-47415	5/8	15.9	1 1/16-12	32	2.28	58.0	4.03	102.3	1.80	45.8	.60
10G-12FJX90S	7103-47405	5/8	15.9	1 1/16-12	32	1.89	48.0	4.22	107.3	2.75	69.8	.65
12G-10FJX90M	7103-47435	3/4	19.1	7/8-14	27	1.85	47.0	4.49	114.1	2.48	63.1	.73
12G-12FJX90L	7103-47465	3/4	19.1	1 1/16-12	32	3.78	96.0	4.82	122.4	2.81	71.4	.94
12G-12FJX90M	7103-47455	3/4	19.1	1 1/16-12	32	2.28	58.0	4.82	122.4	2.81	71.4	.86
12G-12FJX90S	7103-47445	3/4	19.1	1 1/16-12	32	1.89	48.0	4.82	122.4	2.81	71.4	.84
12G-14FJX90-054	7103-47615	3/4	19.1	1 3/16-12	36	2.13	54.0	4.88	124.0	2.87	73.0	.90
12G-14FJX90-100	7103-47625	3/4	19.1	1 3/16-12	36	3.94	100.0	4.23	107.4	2.22	56.4	1.03
12G-16FJX90M	7103-47515	3/4	19.1	1 5/16-12	41	2.80	71.0	4.78	121.3	2.77	70.3	1.19
12G-16FJX90S	7103-47475	3/4	19.1	1 5/16-12	41	2.20	56.0	5.22	132.7	3.22	81.7	1.20
16G-16FJX90L	7103-47505	1	25.4	1 5/16-12	41	4.49	114.0	4.74	120.3	2.50	63.5	1.67
16G-16FJX90M	7103-47495	1	25.4	1 5/16-12	41	2.80	71.0	4.73	120.2	2.50	63.4	1.50
16G-16FJX90S	7103-47485	1	25.4	1 5/16-12	41	2.20	56.0	5.73	145.6	3.50	88.8	1.43
16G-20FJX90S	7103-47535	1	25.4	1 5/8-12	50	2.52	64.0	6.18	157.0	3.94	100.2	1.95
20G-20FJX90-089	7103-47595	1 1/4	31.8	1 5/8-12	50	3.50	89.0	6.22	157.8	3.89	98.8	2.36
20G-20FJX90L	7103-47585	1 1/4	31.8	1 5/8-12	50	5.08	129.0	6.22	158.0	3.90	99.0	2.42
20G-20FJX90M	7103-47575	1 1/4	31.8	1 5/8-12	50	3.07	78.0	6.26	159.0	3.94	100.0	2.30


# Female JIC 37° Flare Swivel - 90° Block



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
12G-16FJX90BLK	7103-59015	3/4	19.1	1 5/16-12	1.38	2.09	53.2	4.53	115.0	1.73	44.0	1.56

# Male SAE 45° Flare



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-4MS	7100-11815	1/4	6.4	7/16-20	1/2	2.50	63.5	1.08	27.5	.12

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

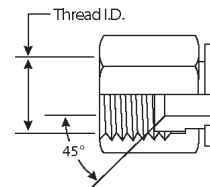
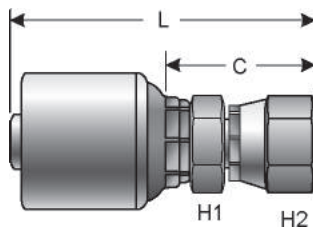
ACCESSORIES

EQUIPMENT AND  
PARTS

## Male SAE 45° Flare - Continued

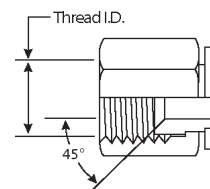
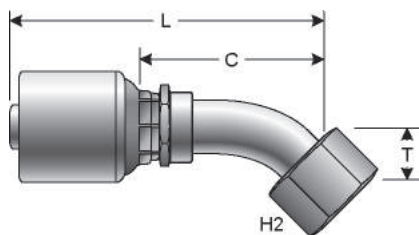
Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-5MS	7100-11825	1/4	6.4	1/2-20	1/2	2.16	54.8	1.13	28.8	.10
6G-6MS	7100-11835	3/8	9.5	5/8-18	5/8	2.38	60.5	1.28	32.6	.17
6G-8MS	7100-11845	3/8	9.5	3/4-16	13/16	2.42	61.4	1.31	33.4	.20
8G-8MS	7100-01855	1/2	12.7	3/4-16	13/16	2.89	73.5	1.42	36.0	.28
8G-10MS	7100-01865	1/2	12.7	7/8-14	7/8	3.03	77.0	1.56	39.5	.32
12G-12MS	7100-01875	3/4	19.1	1 1/16-14	1 1/16	3.78	96.0	1.77	45.0	.73


## Female SAE 45° Flare Swivel




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4G-4FSX	7100-11885	1/4	6.4	7/16-20	1/2	9/16	2.24	57.0	1.22	31.0	.19
4G-5FSX	7100-11895	1/4	6.4	1/2-20	1/2	11/16	2.21	56.2	1.19	30.2	.14
4G-6FSX	7100-11905	1/4	6.4	5/8-18	5/8	3/4	2.31	58.7	1.28	32.6	.16
5G-6FSX	7100-11935	5/16	7.9	5/8-18	5/8	3/4	2.44	62.1	1.34	34.1	.19
6G-6FSX	7100-11915	3/8	9.5	5/8-18	5/8	3/4	2.44	62.1	1.35	34.2	.17
6G-8FSX	7100-11925	3/8	9.5	3/4-16	11/16	7/8	2.48	63.1	1.38	35.1	.20
8G-8FSX	7100-01935	1/2	12.7	3/4-16	13/16	7/8	2.82	71.6	1.34	34.1	.30
8G-10FSX	7100-01945	1/2	12.7	7/8-14	13/16	1 1/16	2.99	75.9	1.51	38.4	.30
12G-12FSX	7100-01955	3/4	19.1	1 1/16-14	1 1/16	1 1/4	3.68	93.5	1.67	42.5	.53

## Female SAE 45° Flare Swivel - 45° Bent Tube




Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"		"	"	mm	"	mm	"	
4G-4FSX45	7100-11965	1/4	6.4	7/16-20	1 9/16	.33	8.4	2.34	59.5	1.32	33.5	.14
4G-5FSX45-009	7100-01965	1/4	6.4	1/2-20	5/8	.36	9.1	2.63	66.9	1.61	40.9	.15
6G-6FSX45	7100-11995	3/8	9.5	5/8-18	3/4	.39	9.9	2.74	69.5	1.64	41.6	.21
6G-8FSX45-014	7100-02035	3/8	9.5	3/4-16	7/8	.55	14.0	3.46	87.8	2.36	59.9	.20
8G-8FSX45	7100-02015	1/2	12.7	3/4-16	7/8	.55	14.0	3.31	84.0	1.83	46.5	.34
8G-10FSX45-016	7100-02055	1/2	12.7	7/8-14	1	.63	16.0	3.67	93.1	2.19	55.6	.40

## Female SAE 45° Flare Swivel - 45° Bent Tube - Continued

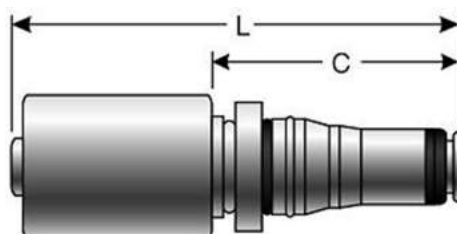
Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
12G-12FSX45	7100-02045	3/4	19.1	1 1/16-14	1 1/4	.78	19.8	4.37	111.0	2.36	60.0	.75

## Female SAE 45° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4G-4FSX90	7100-12055	1/4	6.4	7/16-20	9/16	1.24	31.5	2.05	52.0	1.02	26.0	.15
4G-5FSX90-046	7100-01985	1/4	6.4	1/2-20	5/8	1.80	45.7	2.47	62.8	1.45	36.8	.20
5G-6FSX90-022	7100-02005	5/16	7.9	5/8-18	3/4	.85	21.6	2.77	70.4	1.67	42.4	.19
6G-6FSX90	7100-12105	3/8	9.5	5/8-18	3/4	1.52	38.5	2.36	60.0	1.26	32.1	.25
6G-6FSX90-055	7100-01995	3/8	9.5	5/8-18	3/4	2.18	55.4	2.83	71.8	1.73	43.9	.20
6G-8FSX90	7100-02125	3/8	9.5	3/4-16	7/8	1.75	44.5	2.50	63.5	1.40	35.6	.28
8G-8FSX90	7100-02135	1/2	12.7	3/4-16	7/8	1.75	44.5	2.93	74.5	1.46	37.0	.38
8G-10FSX90-031	7100-02065	1/2	12.7	7/8-14	1	1.23	31.2	3.29	83.5	1.81	46.0	.40
12G-12FSX90	7100-02185	3/4	19.1	1 1/16-14	1 1/4	2.78	70.6	3.94	100.0	1.93	49.0	.83

## Male Quick-Lok® High



Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
4G-4MQLH	7209-32005	1/4	6.4	2.64	67.0	1.61	41.0	.15
6G-6MQLH	7209-32025	3/8	9.5	2.72	69.0	1.62	41.1	.19
8G-8MQLH	7209-32055	1/2	12.7	3.11	79.0	1.63	41.5	.30
10G-10MQLH	7209-32085	5/8	15.9	3.11	79.0	1.63	41.5	.37
12G-12MQLH	7209-32105	3/4	19.1	3.66	93.0	1.65	42.0	.56
16G-16MQLH	7209-32125	1	25.4	3.98	101.0	1.74	44.2	.96

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

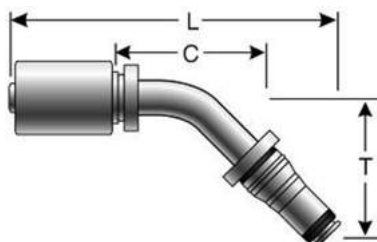
LIVE SWIVEL

BALL VALVES

ACCESSORIES

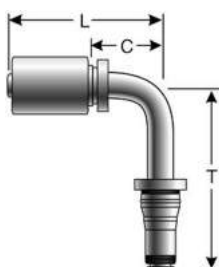
EQUIPMENT AND  
PARTS

# Male Quick-Lok® High - 45° Bent Tube



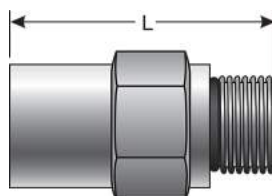
Descr.	Prod. No.	⊖		T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
4G-4MLH45S-008	7209-33005	1/4	6.4	.30	7.5	2.96	75.1	1.93	49.1	.15
6G-6MLH45S-008	7209-33015	3/8	9.5	.33	8.4	3.21	81.6	2.11	53.7	.20
8G-8MLH45S-010	7209-33025	1/2	12.7	.41	10.3	3.77	95.7	2.29	58.2	.36
10G-10MLH45S-013	7209-33045	5/8	15.9	.50	12.7	4.12	104.6	2.64	67.1	.45
12G-12MLH45S-014	7209-33055	3/4	19.1	.56	14.2	4.88	124.0	2.87	73.0	.66
16G-16MLH45S-017	7209-33065	1	25.4	.66	16.7	5.49	139.5	3.26	82.7	1.15

# Male Quick-Lok® High - 90° Bent Tube



Descr.	Prod. No.	⊖		T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
4G-4MLH90L-039	7209-34015	1/4	6.4	1.54	39.0	2.19	55.6	1.17	29.6	.18
4G-4MLH90S-018	7209-34005	1/4	6.4	.71	18.0	2.19	55.6	1.17	29.6	.17
6G-6MLH90L-046	7209-34055	3/8	9.5	1.79	45.5	2.40	60.9	1.30	32.9	.23
6G-6MLH90S-020	7209-34045	3/8	9.5	.79	20.1	2.47	62.8	1.37	34.8	.24
8G-8MLH90L-057	7209-34095	1/2	12.7	2.22	56.5	3.04	77.1	1.56	39.7	.40
8G-8MLH90S-026	7209-34085	1/2	12.7	1.01	25.6	3.16	80.3	1.69	42.9	.38
10G-10MLH90L-065	7209-34125	5/8	15.9	2.56	65.0	3.72	94.4	2.24	57.0	.55
10G-10MLH90S-033	7209-34115	5/8	15.9	1.29	32.8	3.55	90.1	2.07	52.6	.49
12G-12MLH90L-075	7209-34165	3/4	19.1	2.93	74.5	4.20	106.7	2.19	55.7	.89
12G-12MLH90S-037	7209-34155	3/4	19.1	1.45	36.8	4.33	110.1	2.33	59.1	.72
16G-16MLH90L-103	7209-34215	1	25.4	4.06	103.0	4.87	123.7	2.63	66.9	1.55
16G-16MLH90S-044	7209-34195	1	25.4	1.72	43.8	5.48	139.1	3.24	82.3	1.28

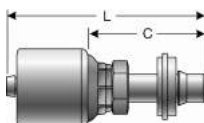
## Female Quick-Lok® High to Male O-Ring Boss Adapter



H1

Descr.	Prod. No.	⊖		🌀	H1	L		Weight (Lbs.)
		"	mm			"	mm	
4FQLH-4MB	7209-05025	1/4	6.4	7/16-20	19	1.65	42.0	.14
4FQLH-6MB	7209-05035	1/4	6.4	9/16-18	19	1.65	42.0	.15
6FQLH-4MB	7209-05075	3/8	9.5	7/16-20	22	1.65	42.0	.15
6FQLH-6MB	7209-05085	3/8	9.5	9/16-18	22	1.69	43.0	.15
6FQLH-8MB	7209-05095	3/8	9.5	3/4-16	24	1.69	43.0	.31
8FQLH-6MB	7209-05135	1/2	12.7	9/16-18	24	1.71	43.5	.19
8FQLH-8MB	7209-05145	1/2	12.7	3/4-16	24	1.75	44.5	.20
8FQLH-10MB	7209-05155	1/2	12.7	7/8-14	27	1.81	46.0	.29
10FQLH-8MB	7209-05195	5/8	15.9	3/4-16	27	1.85	47.0	.24
10FQLH-10MB	7209-05205	5/8	15.9	7/8-14	27	1.85	47.0	.24
10FQLH-12MB	7209-05215	5/8	15.9	1 1/16-12	32	1.89	48.0	.42
12FQLH-10MB	7209-05255	3/4	19.1	7/8-14	32	1.89	48.0	.38
12FQLH-12MB	7209-05265	3/4	19.1	1 1/16-12	32	1.97	50.0	.70
12FQLH-16MB	7209-05275	3/4	19.1	1 5/16-12	41	1.97	50.0	.79
16FQLH-12MB	7209-05315	1	25.4	1 1/16-12	41	2.09	53.0	.57
16FQLH-16MB	7209-05325	1	25.4	1 5/16-12	41	1.97	50.0	.66

## Male Quick-Lok® Low



Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
4G-6MQLL	7101-51225	1/4	6.1	2.68	68.0	1.65	42.0	.13
6G-6MQLL	7101-51015	3/8	9.5	2.76	70.0	1.66	42.1	.13
8G-8MQLL	7101-50745	1/2	12.2	3.43	87.0	1.95	49.5	.27
16G-16MQLL	7101-51515	1	25.4	4.53	115.0	2.29	58.2	.92

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

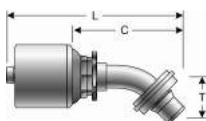
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

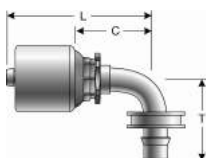


## Male Quick-Lok® Low - 45° Bent Tube



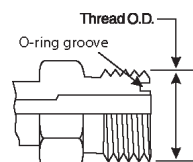
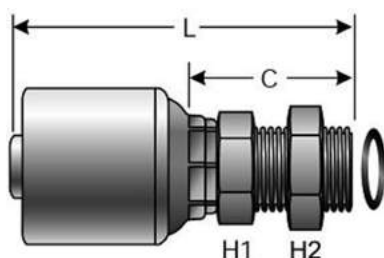
Descr.	Prod. No.	⊖		T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
4G-6MQLL45-026	7101-51235	1/4	6.1	1.02	26.0	2.85	72.5	1.83	46.5	.14
8G-8MQLL45-033	7101-50765	1/2	12.2	1.30	33.0	3.94	100.0	2.46	62.5	.45
12G-12MQLL45-030	7101-51605	3/4	19.1	1.18	30.0	5.04	128.0	3.03	77.0	.61

## Male Quick-Lok® Low - 90° Bent Tube



Descr.	Prod. No.	⊖		T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
4G-6MQLL90-037	7101-51245	1/4	6.1	1.46	37.0	2.26	57.3	1.23	31.3	.14
6G-6MQLL90-051	7101-52265	3/8	9.5	2.01	51.0	2.60	66.0	1.50	38.0	.36
6G-6MQLL90-117	7101-51935	3/8	9.5	4.61	117.0	2.60	66.0	1.50	38.1	.28
6G-6MQLL90-168	7101-51775	3/8	9.5	7.09	180.0	2.60	66.0	1.50	38.1	.30
8G-8MQLL90-050	7101-51475	1/2	12.7	1.97	50.0	3.35	85.0	1.87	47.5	.33
12G-12MQLL90-061	7101-51615	3/4	19.1	2.40	61.0	4.25	108.0	2.24	57.0	.65

## Male Flat-Face O-Ring Bulk Head Long Nose



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
6G-6MFFORBKHDLN	7104-17075	3/8	9.5	11/16-16	27	27	3.07	78.1	1.98	50.2	.38
8G-8MFFORBKHDLN	7104-17115	1/2	12.7	13/16-16	30	30	3.55	90.2	2.07	52.7	.50

## Male Flat-Face O-Ring

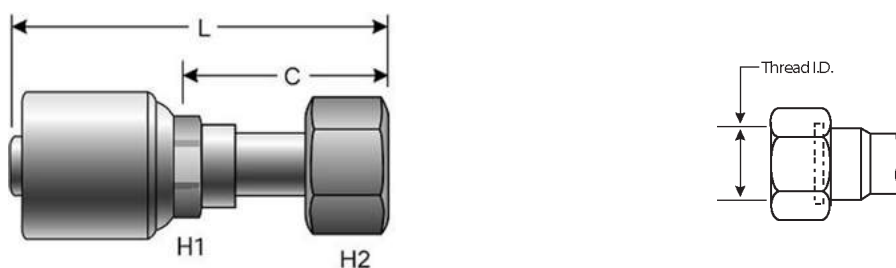
SAE J1453 Captive O-Ring Groove for Improved O-Ring Retention.



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-4MFFOR	7104-16045	1/4	6.4	9/16-18	17	2.07	52.5	1.04	26.5	.15
4G-6MFFOR	7104-16055	1/4	6.4	11/16-16	19	2.13	54.0	1.10	28.0	.15
5G-6MFFOR	7104-16065	5/16	7.9	11/16-16	19	2.20	56.0	1.10	28.0	.21
6G-6MFFOR	7104-16075	3/8	9.5	11/16-16	19	2.20	56.0	1.11	28.1	.19
6G-8MFFOR	7104-16085	3/8	9.5	13/16-16	22	2.32	59.0	1.22	31.1	.25
6G-10MFFOR	7104-16095	3/8	9.5	1-14	27	2.52	64.0	1.42	36.1	.35
8G-8MFFOR	7104-16115	1/2	12.7	13/16-16	22	2.69	68.2	1.21	30.7	.30
8G-10MFFOR	7104-16125	1/2	12.7	1-14	27	2.87	73.0	1.40	35.5	.40
8G-12MFFOR	7104-16135	1/2	12.7	1 3/16-12	32	3.01	76.5	1.54	39.0	.57
10G-10MFFOR	7104-16155	5/8	15.9	1-14	27	2.87	73.0	1.40	35.5	.48
10G-12MFFOR	7104-16165	5/8	15.9	1 3/16-12	32	3.03	77.0	1.56	39.5	.55
12G-12MFFOR	7104-16185	3/4	19.1	1 3/16-12	32	3.54	90.0	1.54	39.0	.70
12G-16MFFOR	7104-16195	3/4	19.1	1 7/16-12	41	3.74	95.0	1.73	44.0	1.20
16G-16MFFOR	7104-16215	1	25.4	1 7/16-12	41	4.02	102.0	1.78	45.2	1.27
16G-20MFFOR	7104-16225	1	25.4	1 11/16-12	46	4.13	105.0	1.90	48.2	1.55
20G-20MFFOR	7104-16245	1 1/4	31.8	1 11/16-12	46	4.29	109.0	1.97	50.0	.16

## Female Flat-Face O-Ring Swivel

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4G-4FFORX	7104-18045	1/4	6.4	9/16-18	15	17	2.07	52.7	1.05	26.7	.14
4G-6FFORX	7104-18055	1/4	6.4	11/16-16	15	22	2.01	51.1	.99	25.1	.20
4G-8FFORX	7104-18075	1/4	6.4	13/16-16	15	24	1.99	50.5	.96	24.5	.22
5G-6FFORX	7104-19505	5/16	7.9	11/16-16	17	22	2.42	61.5	1.32	33.5	.02
6G-4FFORX	7104-19085	3/8	9.5	9/16-18	17	17	3.08	78.3	1.98	50.3	.20
6G-6FFORX	7104-18095	3/8	9.5	11/16-16	18	22	2.27	57.7	1.14	28.9	.24
6G-8FFORX	7104-18105	3/8	9.5	13/16-16	18	24	2.26	57.4	1.13	28.6	.26
6G-10FFORX	7104-18115	3/8	9.5	1-14	18	30	2.15	54.7	1.02	25.9	.42
8G-6FFORX	7104-19145	1/2	12.7	11/16-16	22	22	3.78	95.9	2.30	58.4	.36
8G-8FFORX	7104-18155	1/2	12.7	13/16-16	22	24	2.62	66.5	1.23	31.3	.32
8G-10FFORX	7104-18165	1/2	12.7	1-14	22	30	2.76	70.0	1.37	34.8	.41

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

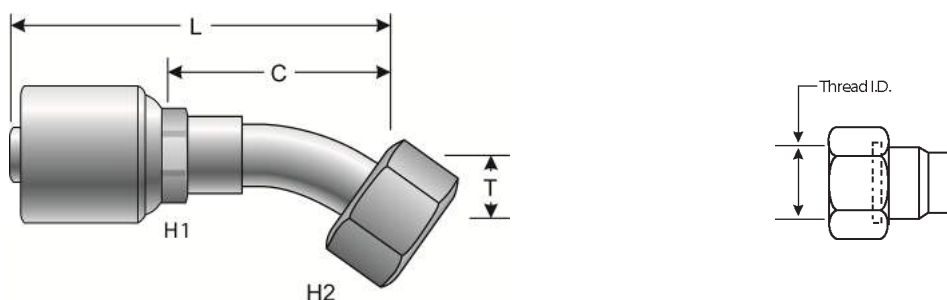
EQUIPMENT AND  
PARTS

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Female Flat-Face O-Ring Swivel - Continued

Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
8G-12FFORX	7104-18175	1/2	12.7	1 3/16-12	22	36	2.81	71.5	1.43	36.3	.64
10G-8FFORX	7104-19195	5/8	15.9	13/16-16	24	24	3.83	97.2	2.35	59.7	.44
10G-10FFORX	7104-18205	5/8	15.9	1-14	24	30	2.99	76.0	1.52	38.5	.49
10G-12FFORX	7104-18215	5/8	15.9	1 3/16-12	24	36	3.03	77.0	1.56	39.5	.62
12G-10FFORX	7104-19245	3/4	19.1	1-14	30	30	3.74	95.1	1.74	44.1	.74
12G-12FFORX	7104-18255	3/4	19.1	1 3/16-12	30	36	3.65	92.8	1.65	41.8	.80
12G-16FFORX	7104-18265	3/4	19.1	1 7/16-12	30	41	3.48	88.3	1.47	37.3	.90
16G-12FFORX	7104-19295	1	25.4	1 3/16-12	36	36	5.58	141.8	3.35	85.0	1.25
16G-20FFORX	7104-18315	1	25.4	1 11/16-12	36	50	4.06	103.0	1.82	46.2	1.58
20G-20FFORX	7104-18355	1 1/4	31.8	1 5/8-12	41	50	4.29	109.0	1.97	50.0	1.93
20G-24FFORX	7104-18385	1 1/4	31.8	2-12	41	60	4.09	104.0	1.77	45.0	2.47

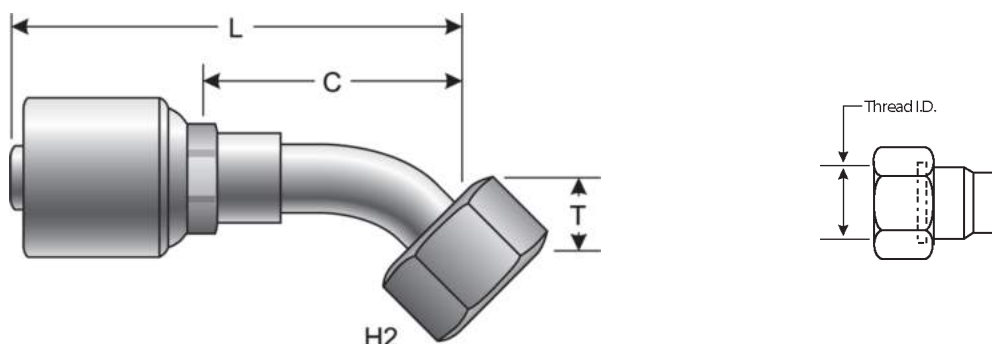
## Female Flat-Face O-Ring Swivel - 30° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
8G-10FFORX30-010	7104-07025	1/2	12.7	1-14	30	.38	9.7	3.65	92.7	2.18	55.3	.46

## Female Flat-Face O-Ring Swivel - 45° Bent Tube

SAE J1453 O-Ring Face Seal.

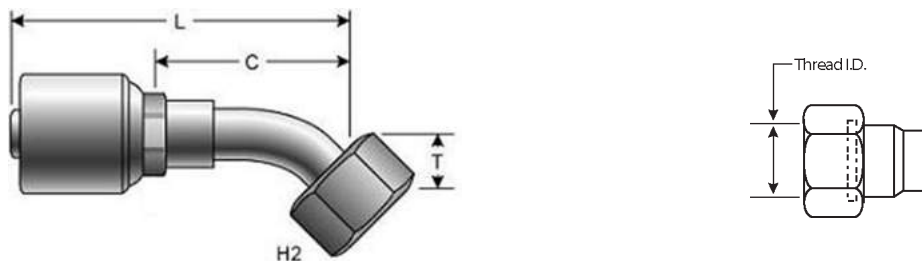


Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
4G-4FFORX45S	7104-22045	1/4	6.4	9/16-18	17	.39	10.0	2.57	65.2	1.54	39.2	.16
4G-6FFORX45S	7104-22055	1/4	6.4	11/16-16	22	.43	11.0	2.70	68.5	1.67	42.5	.02

## Female Flat-Face O-Ring Swivel - 45° Bent Tube - Continued

Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
5G-6FFORX45S	7104-22335	5/16	7.9	11/16-16	22	.43	11.0	2.73	69.4	1.63	41.4	.21
6G-4FFORX45S	7104-22075	3/8	9.5	9/16-18	17	.39	10.0	2.60	66.1	1.50	38.1	.17
6G-6FFORX45S	7104-22085	3/8	9.5	11/16-16	22	.43	11.0	2.75	69.8	1.65	41.9	.25
6G-8FFORX45S	7104-22095	3/8	9.5	13/16-16	24	.59	15.0	3.35	85.2	2.26	57.3	.30
8G-6FFORX45S	7104-22125	1/2	12.7	11/16-16	22	.43	11.0	3.57	90.7	2.09	53.2	.03
8G-8FFORX45S	7104-22135	1/2	12.7	13/16-16	24	.59	15.0	3.50	89.0	2.03	51.6	.03
8G-10FFORX45S	7104-22145	1/2	12.7	1-14	30	.63	16.0	3.98	101.0	2.50	63.5	.45
8G-12FFORX45S	7104-22155	1/2	12.7	1 3/16-12	36	.83	21.0	4.34	110.3	2.87	72.8	.65
10G-8FFORX45S	7104-22165	5/8	15.9	13/16-16	24	.59	15.0	3.81	96.8	2.33	59.3	.42
10G-10FFORX45S	7104-22175	5/8	15.9	1-14	30	.63	16.0	3.96	100.5	2.48	63.0	.55
10G-12FFORX45S	7104-22185	5/8	15.9	1 3/16-12	36	.83	21.0	4.17	105.9	2.69	68.4	.06
12G-10FFORX45S	7104-22215	3/4	19.1	1-14	30	.63	16.0	4.45	113.0	2.44	62.0	.68
12G-12FFORX45S	7104-22225	3/4	19.1	1 3/16-12	36	.83	21.0	4.66	118.4	2.65	67.4	.85
12G-16FFORX45S	7104-22235	3/4	19.1	1 7/16-12	41	.94	24.0	4.80	122.0	2.80	71.0	.75
16G-12FFORX45S	7104-22255	1	25.4	1 3/16-12	36	.83	21.0	5.33	135.5	2.98	75.7	.12
16G-16FFORX45S	7104-22265	1	25.4	1 7/16-12	41	.94	24.0	5.78	146.9	3.55	90.1	1.35
20G-20FFORX45S	7104-22295	1 1/4	31.8	1 11/16-12	50	.98	25.0	6.22	158.0	3.90	99.0	2.00

## Female Flat-Face O-Ring Swivel - 67 1/2° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
8G-8FFORX67-022	7104-07015	1/2	12.7	13/16-16	.94	.87	22.0	3.25	82.5	1.77	45.0	.40

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

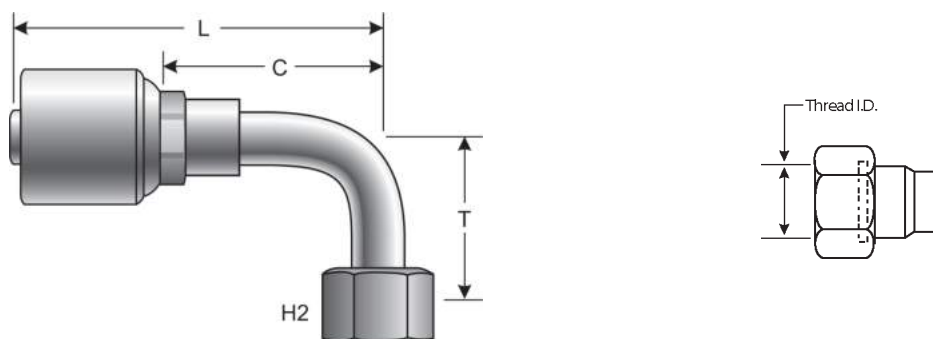
LIVE SWIVEL

BALL VALVES

ACCESSORIES


EQUIPMENT AND  
PARTS

## Female Flat-Face O-Ring Swivel - 90° Bent Tube

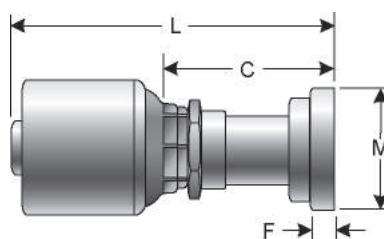


Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
4G-4FFORX90L	7104-24065	1/4	6.4	9/16-18	17	1.81	46.0	2.21	56.2	1.19	30.2	.17
4G-4FFORX90M	7104-24055	1/4	6.4	9/16-18	17	1.26	32.0	2.21	56.2	1.19	30.2	.17
4G-4FFORX90S	7104-24045	1/4	6.4	9/16-18	17	.83	21.0	2.37	60.2	1.35	34.2	.15
4G-6FFORX90L	7104-24115	1/4	6.4	11/16-16	22	2.13	54.0	2.43	61.6	1.40	35.6	.20
4G-6FFORX90M	7104-24105	1/4	6.4	11/16-16	22	1.50	38.0	2.50	63.4	1.47	37.4	.19
4G-6FFORX90S	7104-24095	1/4	6.4	11/16-16	22	.91	23.0	2.50	63.4	1.47	37.4	.20
4G-8FFORX90L	7104-24165	1/4	6.4	13/16-16	24	2.52	64.0	2.64	67.1	1.62	41.1	.34
4G-8FFORX90S	7104-24145	1/4	6.4	13/16-16	24	1.14	29.0	2.83	72.0	1.81	46.0	.26
5G-6FFORX90S	7104-24955	5/16	7.9	11/16-16	22	.91	23.0	2.83	72.0	1.73	44.0	.23
6G-4FFORX90S	7104-24195	3/8	9.5	9/16-18	17	.83	21.0	2.42	61.4	1.32	33.6	.17
6G-6FFORX90L	7104-24265	3/8	9.5	11/16-16	22	2.13	54.0	2.73	69.3	1.63	41.4	.26
6G-6FFORX90M	7104-24255	3/8	9.5	11/16-16	22	1.50	38.0	2.50	63.6	1.41	35.7	.29
6G-6FFORX90S	7104-24245	3/8	9.5	11/16-16	22	.91	23.0	2.85	72.5	1.76	44.6	.24
6G-8FFORX90L	7104-24315	3/8	9.5	13/16-16	24	2.52	64.0	2.72	69.0	1.62	41.1	.32
6G-8FFORX90M	7104-24305	3/8	9.5	13/16-16	24	1.61	41.0	2.70	68.5	1.60	40.6	.30
6G-8FFORX90S	7104-24295	3/8	9.5	13/16-16	24	1.14	29.0	2.87	73.0	1.78	45.1	.30
8G-6FFORX90L	7104-24365	1/2	12.7	11/16-16	22	2.13	54.0	3.16	80.3	1.69	42.8	.35
8G-6FFORX90S	7104-24345	1/2	12.7	11/16-16	22	.91	23.0	3.29	83.5	1.81	46.0	.32
8G-8FFORX90L	7104-24415	1/2	12.7	13/16-16	24	2.52	64.0	3.30	83.9	1.83	46.5	.57
8G-8FFORX90M	7104-24405	1/2	12.7	13/16-16	24	1.61	41.0	3.30	83.9	1.83	46.5	.50
8G-8FFORX90S	7104-24395	1/2	12.7	13/16-16	24	1.14	29.0	3.30	83.9	1.83	46.5	.35
8G-10FFORX90L	7104-24465	1/2	12.7	1-14	30	2.76	70.0	3.57	90.6	2.09	53.1	.57
8G-10FFORX90M	7104-24455	1/2	12.7	1-14	30	1.85	47.0	3.67	93.2	2.19	55.7	.53
8G-10FFORX90S	7104-24445	1/2	12.7	1-14	30	1.26	32.0	3.66	92.9	2.18	55.4	.52
8G-12FFORX90S	7104-24475	1/2	12.7	1 3/16-12	36	1.89	48.0	4.05	102.9	2.57	65.4	.64
10G-8FFORX90L	7104-24515	5/8	15.9	13/16-16	24	2.52	64.0	3.64	92.4	2.16	54.9	.47
10G-8FFORX90S	7104-24495	5/8	15.9	13/16-16	24	1.14	29.0	3.64	92.4	2.16	54.9	.43
10G-10FFORX90L	7104-24565	5/8	15.9	1-14	30	2.76	70.0	3.55	90.2	2.07	52.7	.65
10G-10FFORX90M	7104-24555	5/8	15.9	1-14	30	1.85	47.0	3.65	92.8	2.18	55.3	.63
10G-10FFORX90S	7104-24545	5/8	15.9	1-14	30	1.26	32.0	3.64	92.5	2.17	55.0	.50
10G-12FFORX90S	7104-24595	5/8	15.9	1 3/16-12	36	1.89	48.0	3.79	96.3	2.31	58.8	.70
12G-10FFORX90S	7104-24635	3/4	19.1	1-14	30	1.26	32.0	4.09	104.0	2.09	53.0	.73
12G-12FFORX90L	7104-24665	3/4	19.1	1 3/16-12	36	3.78	96.0	4.65	118.2	2.65	67.2	1.00
12G-12FFORX90M	7104-24655	3/4	19.1	1 3/16-12	36	2.28	58.0	4.29	109.0	2.28	58.0	.90
12G-12FFORX90S	7104-24645	3/4	19.1	1 3/16-12	36	1.89	48.0	4.28	108.8	2.28	57.8	.85
12G-16FFORX90S	7104-24695	3/4	19.1	1 7/16-12	41	2.20	56.0	5.06	128.5	3.05	77.5	1.10
16G-12FFORX90S	7104-24735	1	25.4	1 3/16-12	36	1.89	48.0	5.09	129.4	2.86	72.6	1.23
16G-16FFORX90L	7104-24765	1	25.4	1 7/16-12	41	4.49	114.0	5.11	129.9	2.88	73.1	1.60
16G-16FFORX90M	7104-24755	1	25.4	1 7/16-12	41	2.80	71.0	5.11	129.9	2.88	73.1	1.46
16G-16FFORX90S	7104-24745	1	25.4	1 7/16-12	41	2.20	56.0	5.11	129.9	2.88	73.1	1.44
16G-20FFORX90M	7104-24915	1	25.4	1 11/16-12	50	3.07	78.0	6.14	156.0	3.91	99.2	1.87
16G-20FFORX90S	7104-24905	1	25.4	1 11/16-12	50	2.52	64.0	5.11	129.9	2.88	73.1	1.67
20G-20FFORX90L	7104-24815	1 1/4	31.8	1 11/16-12	50	5.08	129.0	5.51	140.0	3.19	81.0	2.26

## Female Flat-Face O-Ring Swivel - 90° Bent Tube - Continued

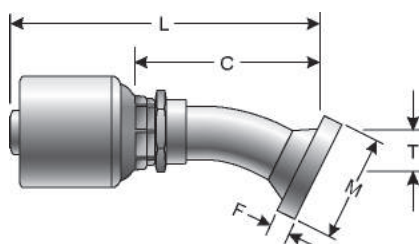
Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
20G-20FFORX90M	7104-24805	1 1/4	31.8	1 11/16-12	50	3.07	78.0	5.51	140.0	3.19	81.0	2.03
20G-20FFORX90S	7104-24795	1 1/4	31.8	1 11/16-12	50	2.52	64.0	5.91	150.0	3.58	91.0	2.02

## Code 61 O-Ring Flange



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
8G-8FL	7103-25055	1/2	12.7	1.19	30.2	3.15	80.0	1.67	42.5	.27	6.9	.36
8G-12FL	7103-25105	1/2	12.7	1.50	38.1	3.15	80.0	1.67	42.5	.27	6.9	.46
12G-12FL	7103-25205	3/4	19.1	1.50	38.1	3.86	98.0	1.85	47.0	.27	6.9	.67
12G-16FL	7103-25255	3/4	19.1	1.75	44.5	3.50	88.8	1.49	37.8	.32	8.1	.77
16G-12FL	7103-25295	1	25.4	1.50	38.1	5.04	128.0	2.80	71.2	.27	6.9	1.25
16G-16FL	7103-25305	1	25.4	1.75	44.5	4.13	105.0	1.90	48.2	.32	8.1	1.23
16G-20FL	7103-25355	1	25.4	2.00	50.8	4.13	105.0	1.90	48.2	.32	8.1	1.32
16G-24FL	7100-03875	1	25.4	2.38	60.5	3.78	96.0	1.54	39.2	.32	8.1	1.39
20G-20FL	7103-25405	1 1/4	31.8	2.00	50.8	4.43	112.5	2.11	53.5	.32	8.1	1.54
20G-24FL	7103-25455	1 1/4	31.8	2.38	60.5	4.63	117.5	2.30	58.5	.32	8.1	1.80

## Code 61 O-Ring Flange - 22 1/2° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FL22M	7103-26155	3/4	19.1	1.50	38.1	.43	11.0	4.76	121.0	2.76	70.0	.27	6.9	.12
12G-16FL22M-014	7100-03955	3/4	19.1	1.75	44.5	.55	14.0	4.76	121.0	2.76	70.0	.32	8.1	.80
16G-16FL22M	7103-26255	1	25.4	1.75	44.5	.55	14.0	5.61	142.5	3.37	85.7	.32	8.1	.18
20G-20FL22M	7103-26355	1 1/4	31.8	2.00	50.8	.59	15.0	6.00	152.5	3.68	93.5	.32	8.1	.26

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

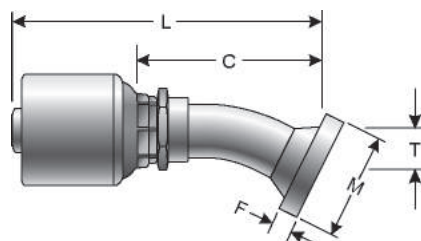
LIVE SWIVEL

BALL VALVES

ACCESSORIES

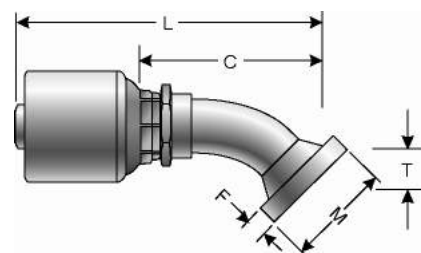
EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange - 30° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FL30M	7103-26655	3/4	19.1	1.50	38.1	.63	16.0	4.70	119.5	2.70	68.5	.32	8.1	.73
12G-16FL30M	7100-04045	3/4	19.1	1.75	44.5	.75	19.0	4.88	124.0	2.87	73.0	.32	8.1	.88
16G-16FL30M	7103-26755	1	25.4	1.75	44.5	.75	19.0	5.69	144.5	3.45	87.7	.32	8.1	1.82
16G-20FL30M	7103-26805	1	25.4	2.00	50.8	.87	22.0	5.89	149.5	3.65	92.7	.32	8.1	1.55
20G-20FL30S	7103-26845	1 1/4	31.8	2.00	50.8	.79	20.0	6.04	153.4	3.72	94.4	.32	8.1	2.58

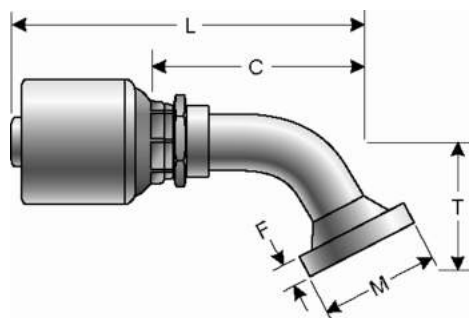
## Code 61 O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8G-8FL45M	7103-27085	1/2	12.7	1.19	30.2	.75	19.0	3.85	97.8	2.37	60.3	.26	6.6	.72
8G-12FL45M	7103-27165	1/2	12.7	1.50	38.1	1.02	26.0	4.13	104.8	2.65	67.3	.27	6.9	.12
10G-12FL45M	7103-27205	5/8	15.9	1.50	38.1	1.02	26.0	4.43	112.6	2.96	75.1	.26	6.6	.58
12G-12FL45M	7103-27245	3/4	19.1	1.50	38.1	1.02	26.0	4.82	122.5	2.81	71.5	.27	6.9	.75
12G-16FL45S	7103-27315	3/4	19.1	1.75	44.5	1.10	28.0	4.90	124.5	2.89	73.5	.32	8.1	.90
16G-16FL45S	7103-27395	1	25.4	1.75	44.5	1.10	28.0	5.61	142.5	3.37	85.7	.32	8.1	1.22
16G-20FL45S	7103-27475	1	25.4	2.00	50.8	1.26	32.0	5.87	149.0	3.63	92.2	.32	8.1	1.40
16G-24FL45	7100-07185	1	25.4	2.38	60.5	1.06	26.9	5.30	134.5	3.06	77.7	.32	8.1	1.54
20G-20FL45S	7103-27555	1 1/4	31.8	2.00	50.8	1.26	32.0	6.18	157.0	3.86	98.0	.32	8.1	1.76

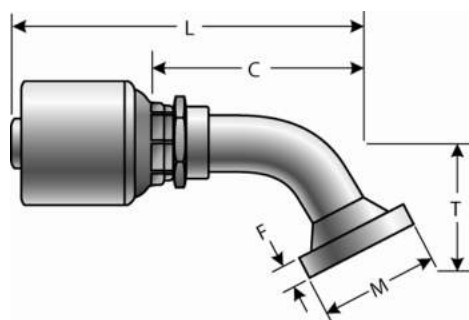


## Code 61 O-Ring Flange - 60° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FL60M	7103-28155	3/4	19.1	1.50	38.1	1.46	37.0	5.04	128.0	3.03	77.0	.27	6.9	.14
12G-16FL60M	7103-28205	3/4	19.1	1.75	44.5	1.73	44.0	5.20	132.0	3.19	81.0	.32	8.1	.19
16G-16FL60M	7103-28255	1	25.4	1.75	44.5	1.73	44.0	5.85	148.5	3.61	91.7	.32	8.1	.21
20G-20FL60S	7103-28345	1 1/4	31.8	2.00	50.8	1.77	45.0	6.22	158.0	3.90	99.0	.32	8.1	.27

## Code 61 O-Ring Flange - 67 1/2° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FL67M	7100-04355	3/4	19.1	1.50	38.1	1.65	42.0	4.65	118.0	2.64	67.0	.27	6.9	.80
20G-20FL67S	7100-04335	1 1/4	31.8	2.00	50.8	2.01	51.0	5.92	150.4	3.60	91.4	.32	8.1	2.50

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

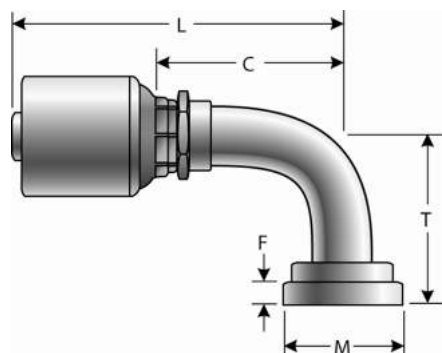
LIVE SWIVEL

BALL VALVES

ACCESSORIES

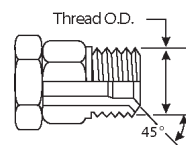
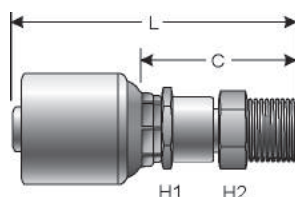
EQUIPMENT AND PARTS


## Code 61 O-Ring Flange - 90° Bent Tube



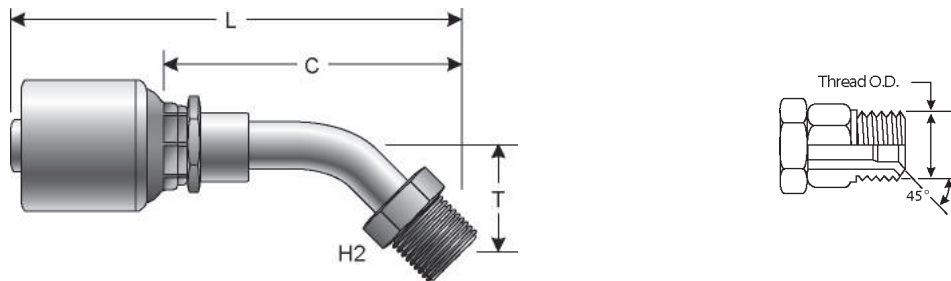
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
8G-8FL90M	7103-29115	1/2	12.7	1.19	30.2	1.57	40.0	3.59	91.2	2.11	53.7	.27	6.9	.69
8G-12FL90M	7103-29235	1/2	12.7	1.50	38.1	2.28	58.0	3.60	91.5	2.13	54.0	.27	6.9	.54
10G-12FL90M	7103-29415	5/8	15.9	1.50	38.1	2.28	58.0	3.94	100.0	2.46	62.5	.27	6.9	1.21
12G-12FL90M	7103-29535	3/4	19.1	1.50	38.1	2.28	58.0	4.54	115.3	2.53	64.3	.27	6.9	.80
12G-16FL90S	7103-29585	3/4	19.1	1.75	44.5	2.40	61.0	4.72	119.8	2.71	68.8	.32	8.1	1.70
16G-12FL90M	7103-29655	1	25.4	1.50	38.1	2.28	58.0	5.09	129.3	2.85	72.5	.27	6.9	1.78
16G-16FL90S	7103-29705	1	25.4	1.75	44.5	2.40	61.0	5.48	139.3	3.25	82.5	.32	8.1	1.35
16G-20FL90S	7103-29765	1	25.4	2.00	50.8	2.68	68.0	5.48	139.3	3.25	82.5	.32	8.1	1.45
16G-24FL90S-081	7100-04555	1	25.4	2.38	60.5	3.19	81.0	5.57	141.6	3.34	84.8	.32	8.1	1.70
20G-20FL90-102	7100-04565	1 1/4	31.8	2.00	50.8	4.00	101.6	5.43	138.0	3.11	79.0	.32	8.1	1.75
20G-20FL90M	7103-29895	1 1/4	31.8	2.00	50.8	3.54	90.0	5.31	135.0	2.99	76.0	.32	8.1	1.90
20G-20FL90S	7103-29885	1 1/4	31.8	2.00	50.8	2.68	68.0	6.22	158.1	3.90	99.1	.32	8.1	1.90
20G-24FL90S	7103-29945	1 1/4	31.8	2.38	60.5	3.19	81.0	6.22	158.1	3.90	99.1	.32	8.1	3.82

## SAE Male Inverted Swivel



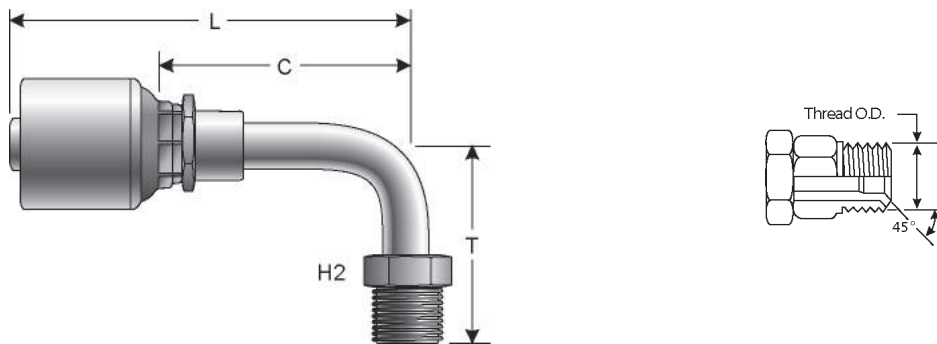
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	
4G-3MIX	7100-16205	1/4	6.4	3/8-24	1/2	3/8	2.52	64.0	1.50	38.0	.12
4G-4MIX	7100-16225	1/4	6.4	7/16-24	1/2	7/16	2.52	63.9	1.49	37.9	.13
4G-5MIX	7100-16235	1/4	6.4	1/2-20	1/2	1/2	2.52	63.9	1.49	37.9	.14
6G-4MIX	7100-16185	3/8	9.5	7/16-24	5/8	7/16	2.63	66.9	1.54	39.0	.15
6G-5MIX	7100-16245	3/8	9.5	1/2-20	5/8	1/2	2.56	64.9	1.46	37.0	.17
6G-6MIX	7100-16255	3/8	9.5	5/8-18	5/8	5/8	2.75	69.9	1.65	42.0	.20
6G-7MIX	7100-16265	3/8	9.5	11/16-18	5/8	11/16	2.76	70.0	1.66	42.1	.21
8G-6MIX	7100-06275	1/2	12.7	5/8-18	13/16	5/8	3.13	79.5	1.65	42.0	.29
8G-8MIX	7100-06285	1/2	12.7	3/4-18	13/16	3/4	3.30	83.8	1.82	46.3	.32
10G-10MIX	7100-06295	5/8	15.9	7/8-18	15/16	7/8	3.92	99.5	2.44	62.0	.43

## SAE Male Inverted Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		⌀	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
4G-3MIX45-018	7100-16275	1/4	6.4	3/8-24	3/8	.69	17.5	2.67	67.9	1.65	41.9	.10
6G-4MIX45	7100-16305	3/8	9.5	7/16-24	7/16	1.00	25.4	3.17	80.5	2.07	52.6	.17
6G-5MIX45	7100-16315	3/8	9.5	1/2-20	1/2	1.00	25.4	3.13	79.5	2.03	51.6	.18
6G-6MIX45	7100-16325	3/8	9.5	5/8-18	5/8	1.00	25.4	3.32	84.3	2.22	56.4	.22
6G-7MIX45	7100-16335	3/8	9.5	11/16-18	11/16	1.00	25.4	3.39	86.0	2.29	58.1	.23
8G-8MIX45	7100-16345	1/2	12.7	3/4-18	3/4	1.14	29.0	4.17	106.0	2.70	68.5	.41
10G-10MIX45	7100-16435	5/8	15.9	7/8-18	7/8	1.38	35.1	2.33	59.2	1.31	33.2	.46

## SAE Male Inverted Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		⌀	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
4G-4MIX90	7100-16355	1/4	6.4	7/16-24	7/16	1.38	35.1	2.33	59.2	1.31	33.2	.14
4G-5MIX90	7100-16365	1/4	6.4	1/2-20	1/2	1.38	35.1	2.46	62.5	1.44	36.5	.15
5G-6MIX90-035	7100-16385	5/16	7.9	5/8-18	5/8	1.38	35.1	2.78	70.5	1.67	42.5	.20
6G-4MIX90	7100-16395	3/8	9.5	7/16-24	7/16	1.38	35.1	2.44	62.0	1.34	34.1	.17
6G-5MIX90	7100-16405	3/8	9.5	1/2-20	1/2	1.38	35.1	2.50	63.5	1.40	35.6	.18
6G-6MIX90	7100-16415	3/8	9.5	5/8-18	5/8	1.38	35.1	2.80	71.0	1.70	43.1	.22
6G-7MIX90	7100-16425	3/8	9.5	11/16-18	11/16	1.38	35.1	2.80	71.0	1.70	43.1	.23
8G-8MIX90	7100-06435	1/2	12.7	3/4-18	3/4	1.64	41.7	3.29	83.5	1.81	46.0	.45
10G-10MIX90	7100-06335	5/8	15.9	7/8-18	7/8	1.81	46.0	3.89	98.7	2.41	61.3	.48

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

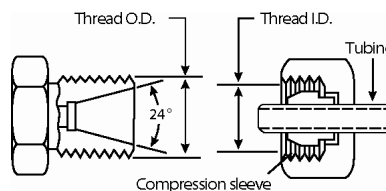
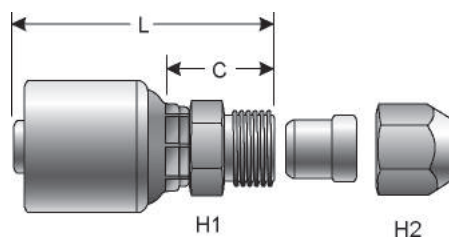
LIVE SWIVEL



BALL VALVES

ACCESSORIES

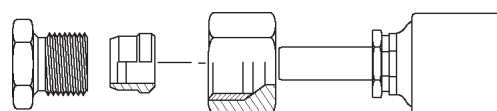
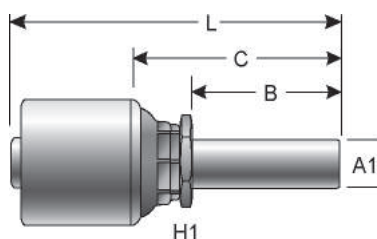
EQUIPMENT AND  
PARTS

## SAE Male Flareless Assembly



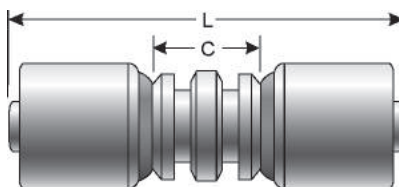
Descr.	Prod. No.				H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4G-4MFA	7100-16445	1/4	6.4	7/16-20	1/2	9/16	2.09	53.0	1.06	27.0	.15
4G-5MFA	7100-16455	1/4	6.4	1/2-20	1/2	5/8	1.97	50.0	.94	24.0	.15
5G-5MFA	7100-16515	5/16	7.9	1/2-20	5/8	5/8	2.13	54.0	1.02	26.0	.19
5G-6MFA	7100-16505	5/16	7.9	9/16-18	5/8	11/16	2.21	56.1	1.11	28.1	.20
6G-4MFA	7100-16465	3/8	9.5	7/16-20	5/8	9/16	2.17	55.0	1.07	27.1	.18
6G-5MFA	7100-16475	3/8	9.5	1/2-20	5/8	5/8	2.17	55.0	1.07	27.1	.18
6G-6MFA	7100-16485	3/8	9.5	9/16-18	5/8	11/16	2.20	56.0	1.11	28.1	.18
6G-8MFA	7100-16495	3/8	9.5	3/4-16	3/4	7/8	2.40	61.0	1.30	33.1	.26
8G-8MFA	7100-06505	1/2	12.7	3/4-16	13/16	7/8	2.78	70.5	1.30	33.0	.34
8G-10MFA	7100-06515	1/2	12.7	7/8-14	7/8	1	2.83	72.0	1.36	34.5	.39
12G-12MFA	7100-06525	3/4	19.1	1 1/16-12	1 1/16	1 1/4	3.54	90.0	1.54	39.0	.75
16G-16MFA	7100-06535	1	25.4	1 5/16-12	1 3/8	1 1/2	3.94	100.0	1.70	43.2	1.06

## North American Stand Pipe



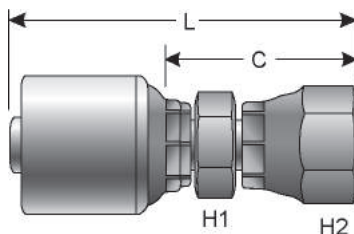
Descr.	Prod. No.	⊖		H1	L		C		B		A1	Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm		
4G-4NASP	7100-08305	1/4	6.4	1/2	2.26	57.5	1.24	31.5	.88	22.4	1/4	.10
6G-6NASP	7100-08335	3/8	9.5	5/8	2.34	59.5	1.24	31.6	.88	22.4	3/8	.13
8G-8NASP	7100-08365	1/2	12.7	13/16	2.87	73.0	1.40	35.5	1.00	25.4	1/2	.23
12G-12NASP	7100-08435	3/4	19.1	1 1/16	3.58	91.0	1.57	40.0	1.16	29.5	3/4	.47
16G-16NASP	7100-08465	1	25.4	1 7/16	3.86	98.0	1.62	41.2	1.12	28.4	1	.89

## Hose Length Extender



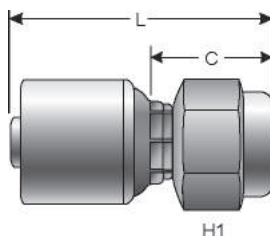
Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
20G-20HLE	7101-50705	1 1/4	31.8	5.96	151.5	1.32	33.5	2.23

## Female Air Brake Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
6G-6FABX	7100-13095	3/8	9.5	3/4-20	3/4	7/8	2.41	61.2	1.31	33.3	.25
8G-6FABX	7100-13105	1/2	12.7	3/4-20	13/16	7/8	2.74	69.7	1.27	32.2	.30
8G-8FABX	7100-13125	1/2	12.7	7/8-20	13/16	1 1/16	3.02	76.7	1.54	39.2	.40

## Female Grease



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	
4G-8FG	7100-09605	1/4	6.4	1/2-27	11/16	1.87	47.5	.85	21.5	.13
6G-8FG	7100-09615	3/8	9.5	1/2-27	11/16	1.93	49.1	.83	21.2	.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

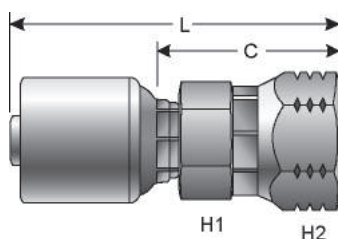
LIVE SWIVEL

BALL VALVES

ACCESSORIES

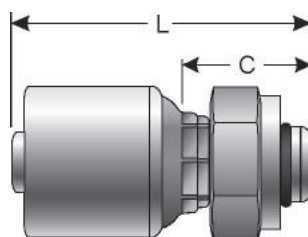
EQUIPMENT AND  
PARTS

## Female Parker Triple Thread Flare



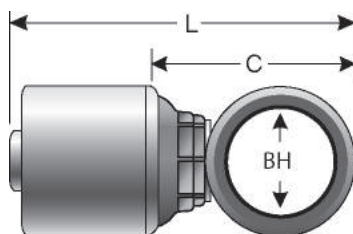
Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
16G-16FZX	7100-00015	1	25.4	1 5/16-14	1 3/8	1 1/2	3.98	101.0	1.74	44.3	.11

## Pressure Wash Swivel



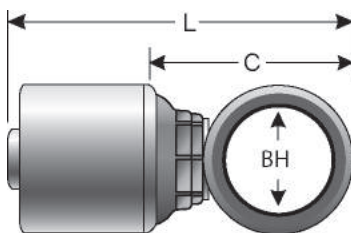
Descr.	Prod. No.	⊖			L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	
4G-6PWX	7100-02905	1/4	6.4	M22X1.5	2.52	64.0	1.50	38.0	.25
6G-6PWX	7100-02915	3/8	9.5	M22X1.5	2.60	66.0	1.50	38.1	.27

## International Thread British Std Pipe Banjo



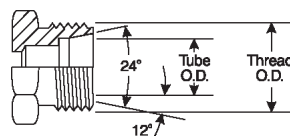
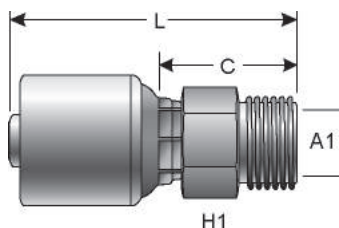
Descr.	Prod. No.	⊖		L		C		BH	Weight (Lbs.)
		"	mm	"	mm	"	mm	mm	
4G-4BSPBJ	7100-92565	1/4	6.4	2.10	53.4	1.19	30.3	13.2	.16
6G-6BSPBJ	7100-92575	3/8	9.5	2.20	55.8	1.30	32.4	16.8	.21
8G-8BSPBJ	7100-92925	1/2	12.7	2.80	70.7	1.50	38.2	21.0	.30
12G-12BSPBJ	7100-99815	3/4	19.1	3.73	94.7	1.72	43.7	26.5	.69


## International Thread Metric 7642 DIN Banjo



Descr.	Prod. No.	⊖		L		C		BH	Weight (Lbs.)
		"	mm	"	mm	"	mm	mm	
4G-12DBJ	7100-91195	1/4	6.4	2.03	51.4	1.11	28.3	12.1	.11
6G-12DBJ	7100-98125	3/8	9.5	2.20	56.0	1.11	28.1	12.1	.15
6G-14DBJ	7100-91275	3/8	9.5	2.30	58.3	1.20	30.4	14.1	.17
6G-16DBJ	7100-91285	3/8	9.5	2.20	55.8	1.27	32.4	16.1	.15
6G-18DBJ	7100-91295	3/8	9.5	2.28	57.8	1.35	34.4	18.1	.17
8G-18DBJ	7100-91305	1/2	12.7	2.64	67.2	1.37	34.7	18.1	.17
10G-22DBJ	7100-99725	5/8	15.9	3.00	76.2	1.52	38.6	22.1	1.00
12G-26DBJ	7100-93895	3/4	19.1	3.73	94.7	1.72	43.7	26.1	.68
16G-30DBJ	7100-94995	1	25.4	4.30	109.2	2.06	52.4	30.1	1.18

## Male DIN 24° Cone - Light Series



Descr.	Prod. No.	⊖			H1	L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	mm	
4G-6MDL	7100-92685	1/4	6.4	M12X1.5	14	1.69	42.9	.78	19.8	6.0	.10
4G-8MDL	7100-14835	1/4	6.4	M14X1.5	17	1.97	50.0	.94	24.0	8.0	.14
4G-10MDL	7100-14845	1/4	6.4	M16X1.5	17	2.01	51.0	.98	25.0	10.0	.13
6G-10MDL	7100-14865	3/8	9.5	M16X1.5	17	2.07	52.5	.97	24.6	10.0	.18
6G-12MDL	7100-14875	3/8	9.5	M18X1.5	19	2.07	52.5	.97	24.6	12.0	.19
6G-15MDL	7100-92695	3/8	9.5	M22X1.5	24	1.86	47.3	.94	23.9	15.0	.15
8G-15MDL	7100-04885	1/2	12.7	M22X1.5	24	2.56	65.0	1.08	27.5	15.0	.36
10G-18MDL	7100-99685	5/8	15.9	M26X1.5	27	2.52	64.0	1.04	26.5	18	.34
10G-22MDL	7100-04935	5/8	15.9	M30X2.0	32	2.75	69.8	1.27	32.3	22.0	.46
12G-18MDL	7100-25085	3/4	19.1	M26X1.5	27	3.07	78.0	1.06	27.0	18	.53
12G-22MDL	7100-25075	3/4	19.1	M30X2.0	32	3.15	80.0	1.14	29.0	22	.61
16G-28MDL	7100-04915	1	25.4	M36X2.0	41	3.70	94.0	1.46	37.2	28.0	1.09
20G-35MDL	7100-04925	1 1/4	31.8	M45X2.0	46	3.92	99.5	1.59	40.5	35.0	1.41

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

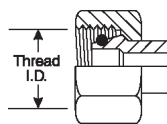
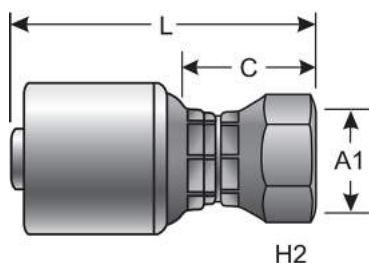
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

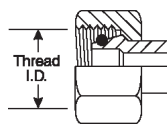
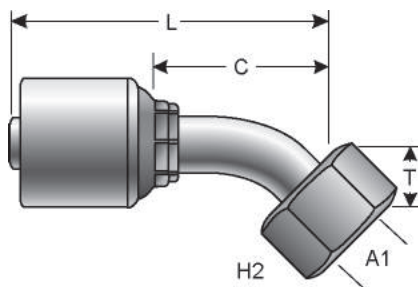




## Female DIN 24° Cone Swivel - Light Series with O-Ring



Descr.	Prod. No.	⊖			H2	L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	mm	
4G-6FDLORX	7100-95665	1/4	6.4	M12X1.5	14	2.04	51.8	1.13	28.8	6.0	.12
4G-8FDLORX	7100-95685	1/4	6.4	M14X1.5	17	2.19	55.7	1.17	29.7	8.0	.15
4G-10FDLORX	7100-95705	1/4	6.4	M16X1.5	19	2.18	55.3	1.15	29.3	10.0	.15
4G-12FDLORX	7100-25395	1/4	6.4	M20X1.5	22	2.19	55.7	1.17	29.7	12.0	.20
5G-10FDLORX	7100-92015	5/16	7.9	M16X1.5	19	2.12	53.9	1.17	29.7	10.0	.18
5G-12FDLORX	7100-92035	5/16	7.9	M18X1.5	22	2.30	58.5	1.18	30.0	12.0	.20
6G-10FDLORX	7100-96065	3/8	9.5	M16X1.5	19	2.25	57.1	1.07	27.1	10	.20
6G-12FDLORX	7100-96085	3/8	9.5	M18X1.5	22	2.19	55.5	1.09	27.7	12.0	.20
6G-14FDLORX	7100-96105	3/8	9.5	M20X1.5	24	2.38	60.4	1.85	30.1	14	.24
6G-15FDLORX	7100-96115	3/8	9.5	M22X1.5	27	2.23	56.7	1.03	26.1	15	.26
8G-15FDLORX	7100-96425	1/2	12.7	M22X1.5	27	2.64	67.0	1.16	29.5	15	.35
8G-18FDLORX	7100-96445	1/2	12.7	M26X1.5	32	2.67	67.9	1.08	27.5	18	.54
10G-18FDLORX	7100-99535	5/8	15.9	M26X1.5	32	2.67	67.8	1.16	29.5	18	.42
12G-18FDLORX	7100-99935	3/4	19.1	M26X1.5	32	3.30	83.8	1.20	30.5	18	.61
12G-22FDLORX	7100-99955	3/4	19.1	M30X2.0	36	3.38	85.8	1.28	32.5	22	.70
16G-28FDLORX	7100-92205	1	25.4	M36X2.0	41	3.21	81.6	1.45	36.7	28.0	1.06
20G-35FDLORX	7100-92215	1 1/4	31.8	M45X2.0	50	3.56	90.4	1.74	44.1	35.0	1.56
20G-42FDLORX	7100-95305	1 1/4	31.8	M52X2.0	60	4.25	108.0	1.93	49.0	42.0	2.00

## Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube

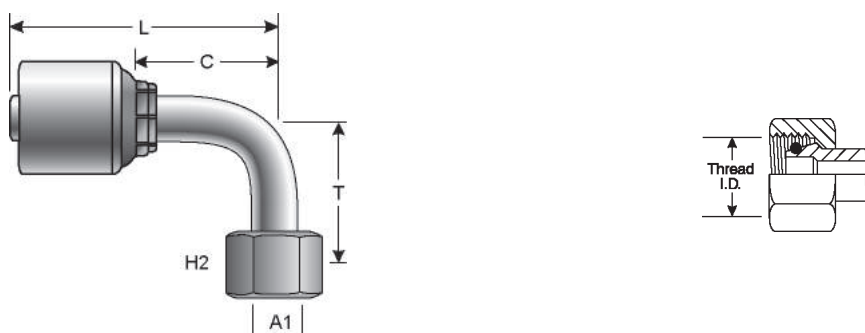


Descr.	Prod. No.				H2	T		L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	mm	
4G-8FDLORX45	7100-95755	1/4	6.4	M14X1.5	19	.64	16.2	2.46	62.6	1.44	36.5	8.0	.15
4G-10FDLORX45	7100-95775	1/4	6.4	M16X1.5	19	.70	17.9	2.54	64.4	1.51	38.3	10.0	.17
5G-10FDLORX45	7100-91895	5/16	7.9	M16X1.5	19	.67	17.1	2.50	63.4	1.55	39.3	10.0	.20
6G-10FDLORX45	7100-96135	3/8	9.5	M16X1.5	19	.73	18.6	2.67	68.5	1.59	40.5	10	.20
6G-12FDLORX45	7100-96155	3/8	9.5	M18X1.5	22	.74	18.9	2.71	68.8	1.61	40.9	12	.22
6G-15FDLORX45	7100-96175	3/8	9.5	M22X1.5	27	.89	22.5	2.85	72.3	1.75	44.4	15	.28
8G-15FDLORX45	7100-96475	1/2	12.7	M22X1.5	27	.80	20.2	3.33	84.6	1.85	47.0	15	.34
8G-18FDLORX45	7100-96495	1/2	12.7	M26X1.5	32	1.06	26.9	3.74	94.9	2.25	57.2	18	.36

## Female DIN 24° Cone Swivel - Light Series with O-Ring - 45° Bent Tube - Continued

Descr.	Prod. No.	⊖		🌀	H2	T		L		C		A1	Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	mm	
10G-18FDLORX45	7100-99545	5/8	15.9	M26X1.5	32	.98	24.8	3.68	93.5	2.21	56.2	18	.49
12G-22FDLORX45	7100-96715	3/4	19.1	M30X2.0	36	1.17	29.8	4.12	104.6	2.60	66.1	22	.80
16G-28FDLORX45	7100-92325	1	25.4	M36X2.0	41	1.21	30.9	4.87	123.7	3.10	78.8	28.0	1.24
20G-35FDLORX45	7100-92335	1 1/4	31.8	M45X2.0	50	1.48	37.5	5.48	139.3	3.68	93.4	35.0	1.90

## Female DIN 24° Cone Swivel - Light Series with O-Ring - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		A1	Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	mm	
4G-6FDLORX90	7100-95825	1/4	6.4	M12X1.5	14	1.38	35.0	2.27	57.6	1.24	31.5	6.0	.14
4G-8FDLORX90	7100-95845	1/4	6.4	M14X1.5	17	1.38	35.0	2.36	60.0	1.34	34.0	8.0	.12
4G-10FDLORX90	7100-95865	1/4	6.4	M16X1.5	19	1.44	36.5	2.27	57.6	1.24	31.5	10.0	.17
5G-10FDLORX90	7100-91725	5/16	7.9	M16X1.5	19	1.44	36.5	2.31	58.6	1.35	34.4	10.0	.21
6G-10FDLORX90	7100-96195	3/8	9.5	M16X1.5	19	1.44	36.6	2.37	60.2	1.27	32.3	10	.21
6G-12FDLORX90	7100-96215	3/8	9.5	M18X1.5	22	1.46	37.0	2.37	60.1	1.27	32.2	12	.24
6G-15FDLORX90	7100-96235	3/8	9.5	M22X1.5	27	1.65	42.0	2.37	60.1	1.27	32.2	15	.29
8G-15FDLORX90	7100-96505	1/2	12.7	M22X1.5	27	1.65	42.0	3.06	77.8	1.59	40.3	15	.38
8G-18FDLORX90	7100-96525	1/2	12.7	M26X1.5	32	2.03	51.6	3.21	81.5	1.73	43.9	18	.37
10G-18FDLORX90	7100-99555	5/8	15.9	M26X1.5	32	2.03	51.5	3.35	85.1	1.88	47.8	18	.53
12G-18FDLORX90	7100-96735	3/4	19.1	M26X1.5	32	2.03	51.5	3.95	100.3	1.94	49.3	18	.73
12G-22FDLORX90	7100-96755	3/4	19.1	M30X2.0	36	2.44	62.0	4.22	107.3	2.22	56.3	22	.86
16G-28FDLORX90	7100-92445	1	25.4	M36X2.0	41	2.76	70.0	4.69	119.2	2.93	74.3	28.0	1.40
20G-35FDLORX90	7100-92455	1 1/4	31.8	M45X2.0	50	3.15	80.0	5.07	128.8	3.26	82.8	35.0	2.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

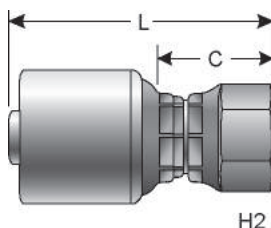
LIVE SWIVEL

BALL VALVES

ACCESSORIES

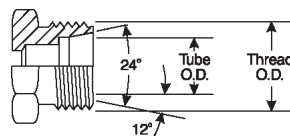
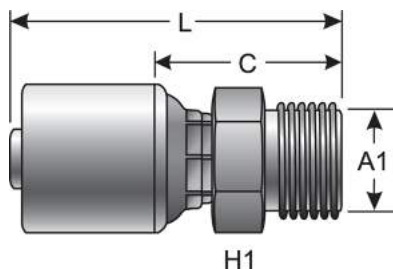
EQUIPMENT AND  
PARTS

## Female French GAZ Swivel



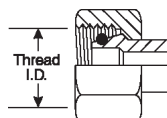
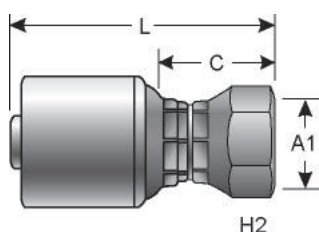
Descr.	Prod. No.	⌀		M	H2	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
8G-17FFGX	7100-96655	1/2	12.7	M24X1.5	30	2.40	61.0	.93	23.5	.39
10G-21FFGX	7100-99595	5/8	15.9	M30X1.5	36	2.34	59.5	.87	22.0	.48
12G-27FFGX	7100-25045	3/4	19.1	M36X1.5	46	2.91	74.0	.91	23.0	.67


## Male DIN 24° Cone - Heavy Series



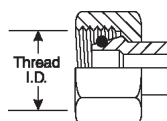
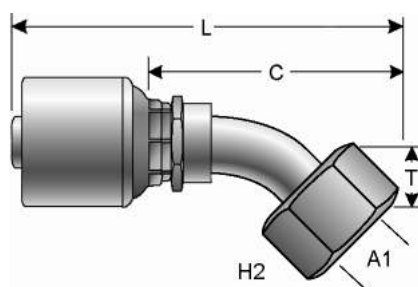
Descr.	Prod. No.	⌀		M	H1	L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	mm	
4G-8MDH	7100-15315	1/4	6.4	M16X1.5	17	2.09	53.0	1.06	27.0	8.0	.13
4G-10MDH	7100-15325	1/4	6.4	M18X1.5	19	2.07	52.5	1.04	26.5	10.0	.15
5G-12MDH	7100-93015	5/16	7.9	M20X1.5	22	2.04	51.9	1.09	27.8	12.0	.15
6G-10MDH	7100-15345	3/8	9.5	M18X1.5	19	2.17	55.0	1.07	27.1	10.0	.21
6G-12MDH	7100-15355	3/8	9.5	M20X1.5	24	2.26	57.5	1.17	29.6	12.0	.21
6G-14MDH	7100-15365	3/8	9.5	M22X1.5	24	2.34	59.5	1.24	31.6	14.0	.23
8G-12MDH	7100-94815	1/2	12.7	M20X1.5	24	2.42	61.5	1.14	29.0	12.0	.30
8G-16MDH	7100-05375	1/2	12.7	M24X1.5	27	2.72	69.0	1.24	31.5	16.0	.29
10G-20MDH	7100-99675	5/8	15.9	M30X2.0	32	2.87	73.0	1.40	35.5	20	.48
12G-20MDH	7100-25055	3/4	19.1	M30X2.0	32	3.43	87.0	1.42	36.0	20	.55
12G-25MDH	7100-25065	3/4	19.1	M36X2.0	41	3.58	91.0	1.58	40.0	25	.78
16G-30MDH	7100-92535	1	25.4	M42X2.0	46	3.48	88.3	1.67	42.4	30.0	1.06
20G-38MDH	7100-92545	1 1/4	31.8	M52X2.0	55	3.72	94.4	1.93	49.1	38.0	1.85


## Female DIN 24° Cone Swivel - Heavy Series with O-Ring



Descr.	Prod. No.	⊖			H2	L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	mm	
4G-8FDHORX	7100-95675	1/4	6.4	M16X1.5	19	2.14	54.4	1.12	28.4	8.0	.15
4G-10FDHORX	7100-95695	1/4	6.4	M18X1.5	22	2.18	55.3	1.15	29.3	10.0	.18
4G-12FDHORX	7100-25405	1/4	6.4	M20X1.5	24	2.19	55.7	1.17	29.7	12.0	.20
5G-12FDHORX	7100-92045	5/16	7.9	M20X1.5	24	2.28	58.0	1.18	30.0	12.0	.23
5G-14FDHORX	7100-94835	5/16	7.9	M22X1.5	27	2.11	53.6	1.18	30.0	14.0	.29
6G-10FDHORX	7100-96055	3/8	9.5	M18X1.5	22	2.17	55.0	1.07	27.1	10	.20
6G-12FDHORX	7100-96075	3/8	9.5	M20X1.5	24	2.19	55.5	1.09	27.6	12	.25
6G-14FDHORX	7100-96095	3/8	9.5	M22X1.5	27	2.28	58.0	1.85	30.1	14	.28
8G-12FDHORX	7100-93335	1/2	12.7	M20X1.5	24	2.76	70.2	1.29	32.7	12.0	.32
8G-14FDHORX	7100-96415	1/2	12.7	M22X1.5	27	2.68	68.0	1.20	30.5	14	.33
8G-16FDHORX	7100-96435	1/2	12.7	M24X1.5	30	2.61	66.4	1.32	33.5	16.0	.40
8G-20FDHORX	7100-96455	1/2	12.7	M30X2.0	36	2.79	70.9	1.50	38.1	20	.54
10G-16FDHORX	7100-99525	5/8	15.9	M24X1.5	30	2.80	71.0	1.32	33.5	16	.45
10G-20FDHORX	7100-99565	5/8	15.9	M30X2.0	36	2.87	73.0	1.40	35.5	20	.57
12G-20FDHORX	7100-99945	3/4	19.1	M30X2.0	36	3.52	89.5	1.52	38.5	20	.75
12G-25FDHORX	7100-99965	3/4	19.1	M36X2.0	46	3.54	90.0	1.54	39.0	25	1.06
16G-25FDHORX	7100-93215	1	25.4	M36X2.0	46	4.04	102.5	1.80	45.7	25.0	1.35
16G-30FDHORX	7100-92235	1	25.4	M42X2.0	50	3.70	94.1	1.94	49.2	30.0	1.44
20G-38FDHORX	7100-92245	1 1/4	31.8	M52X2.0	60	4.10	104.1	2.28	57.8	38.0	2.17

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube



Descr.	Prod. No.	⊖			H2	T		L		C		A1	Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	mm	
4G-8FDHORX45	7100-95745	1/4	6.4	M16X1.5	19	.64	16.2	2.46	62.6	1.44	36.5	8.0	.16
4G-10FDHORX45	7100-95765	1/4	6.4	M18X1.5	22	.70	17.9	2.54	64.4	1.51	38.3	7.9	.17
6G-10FDHORX45	7100-96125	3/8	9.5	M18X1.5	22	.73	18.6	2.70	68.5	1.59	40.5	10.9	.25
6G-12FDHORX45	7100-96145	3/8	9.5	M20X1.5	24	.74	18.9	2.71	68.8	1.61	40.9	12	.26
6G-14FDHORX45	7100-96165	3/8	9.5	M22X1.5	27	.83	21.0	2.79	70.9	1.69	43.0	14	.30
8G-14FDHORX45	7100-96465	1/2	12.7	M22X1.5	27	1.07	27.1	3.59	91.3	2.12	53.9	14	.30
8G-16FDHORX45	7100-96485	1/2	12.7	M24X1.5	30	.85	21.6	3.38	85.9	1.91	48.4	16	.35
10G-20FDHORX45	7100-99575	5/8	15.9	M30X2.0	36	.98	24.9	3.67	93.1	2.20	55.8	20	.62

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

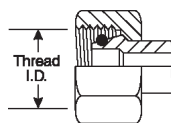
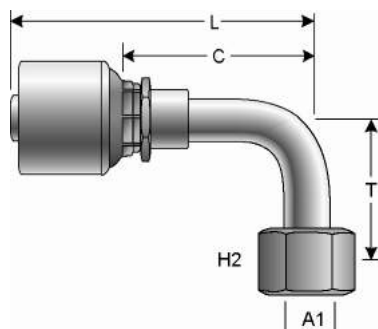
ACCESSORIES


EQUIPMENT AND  
PARTS

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 45° Bent Tube - Continued

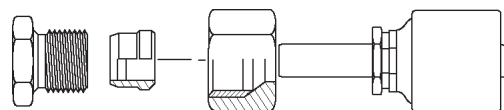
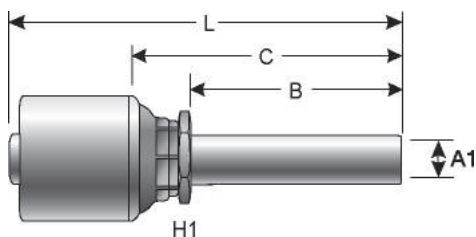
Descr.	Prod. No.	⊖			H2	T		L		C		A1	Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm		
12G-20FDHORX45	7100-96705	3/4	19.1	M30X2.0	36	.98	24.9	4.31	109.4	2.30	58.4	20	.82
12G-25FDHORX45	7100-96725	3/4	19.1	M36X2.0	46	1.23	31.2	4.67	118.6	2.66	67.6	25	1.15

## Female DIN 24° Cone Swivel - Heavy Series with O-Ring - 90° Bent Tube



Descr.	Prod. No.	⊖			H2	T		L		C		A1	Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm		
4G-8FDHORX90	7100-95835	1/4	6.4	M16X1.5	19	1.38	35.0	2.36	60.0	1.34	34.0	8.0	.19
4G-10FDHORX90	7100-95855	1/4	6.4	M18X1.5	22	1.44	36.5	2.27	57.6	1.24	31.5	10.0	.20
5G-12FDHORX90	7100-91755	5/16	7.9	M20X1.5	24	1.46	37.0	2.32	59.0	1.22	31.0	12.0	.26
5G-14FDHORX90	7100-94845	5/16	7.9	M22X1.5	27	1.57	40.0	2.15	54.6	1.22	31.0	14.0	.31
6G-10FDHORX90	7100-96185	3/8	9.5	M18X1.5	22	1.44	36.5	2.37	60.1	1.27	32.2	10	.24
6G-12FDHORX90	7100-96205	3/8	9.5	M20X1.5	24	1.46	37.0	2.37	60.1	1.27	32.2	12	.26
6G-14FDHORX90	7100-96225	3/8	9.5	M22X1.5	27	1.57	40.0	2.37	60.3	1.28	32.4	14	.31
8G-14FDHORX90	7100-13005	1/2	12.7	M22X1.5	27	2.01	51.0	3.11	79.0	1.64	41.6	14.0	.64
8G-16FDHORX90	7100-96515	1/2	12.7	M24X1.5	30	1.73	44.0	3.06	77.8	1.59	40.3	16	.46
10G-20FDHORX90	7100-99585	5/8	15.9	M30X2.0	36	2.01	51.0	3.31	84.1	1.84	46.8	20	.66
10G-25FDHORX90	7100-99605	5/8	15.9	M36X2.0	46	2.52	64.0	3.31	84.1	1.84	46.8	25	.66
12G-20FDHORX90	7100-96745	3/4	19.1	M30X2.0	36	2.01	51.0	3.95	100.3	1.94	49.3	20	.89
12G-25FDHORX90	7100-96765	3/4	19.1	M36X2.0	46	2.52	64.0	4.22	107.3	2.22	56.3	25	1.20
16G-25FDHORX90	7100-94925	1	25.4	M36X2.0	46	2.99	76.0	5.43	137.8	3.19	81.0	25.0	1.80

## Metric Light Stand Pipe

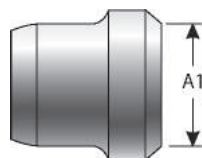


Descr.	Prod. No.	⊖		H1	L		C		B		A1	Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm		
4G-6MSP	7100-93355	1/4	6.4	1/2	2.46	62.5	1.44	36.5	.87	22.0	6.0	.10

## Metric Light Stand Pipe - Continued

Descr.	Prod. No.	⊖		H1	L		C		B		A1	Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm		
4G-8MSP	7100-93365	1/4	6.4	1/2	2.46	62.5	1.44	36.5	.87	22.0	8.0	.11
4G-10MSP	7100-93375	1/4	6.4	1/2	2.54	64.5	1.52	38.5	.87	22.0	10.0	.12
6G-10MSP	7100-90325	3/8	9.5	5/8	2.62	66.5	1.52	38.6	.91	23.0	10.0	.26
6G-12MSP	7100-90005	3/8	9.5	5/8	2.62	66.5	1.52	38.6	.91	23.0	12.0	.15
8G-15MSP	7100-90045	1/2	12.7	13/16	3.00	76.3	1.53	38.8	.98	25.0	15.0	.26
10G-18MSP	7100-99695	5/8	15.9	15/16	3.03	77.0	1.56	39.5	.98	25.0	18	.29
10G-22MSP	7100-95335	5/8	15.9	15/16	3.11	79.0	1.63	41.5	.98	25.0	22.0	.37
12G-18MSP	7100-95345	3/4	19.1	1 1/16	3.54	90.0	1.54	39.0	1.02	26.0	18.0	.45
12G-22MSP	7100-93465	3/4	19.1	1 1/16	3.67	93.2	1.66	42.2	1.10	28.0	22.0	.53
16G-28MSP	7100-95355	1	25.4	1 7/16	4.09	104.0	1.86	47.2	1.18	30.0	28.0	.45

## Metric Bite Sleeve



Descr.	Prod. No.	A1	Weight (Lbs.)
		mm	
6BS	7253-26815	6.0	.01
8BS	7253-26835	8.0	.23
10BS	7253-26855	10.0	.02
12BS	7253-26875	12.0	.01
14BS	7253-26895	14.0	.32
15BS	7253-26905	15.0	.01
16BS	7253-26915	16.0	.36
18BS	7253-26925	18.0	.02
20BS	7253-26935	20.0	.02
22BS	7253-26945	22.0	.02
25BS	7253-26955	25.0	.03
28BS	7253-26965	28.0	.48
30BS	7253-26975	30.0	.03
35BS	7253-26985	35.0	.05
38BS	7253-26995	38.0	.06
42BS	7253-27005	42.0	.06

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

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FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

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G8K COUPLINGS

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POWER CRIMP  
COUPLINGS

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COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

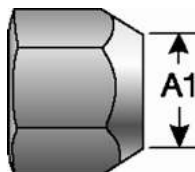
LIVE SWIVEL


BALL VALVES

ACCESSORIES

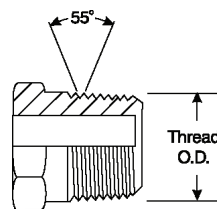
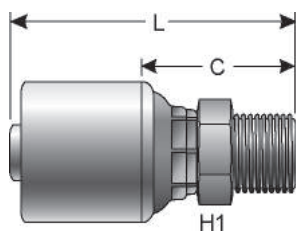
EQUIPMENT AND  
PARTS



## Metric Bite Nut



Descr.	Prod. No.		A1	Weight (Lbs.)
		"	mm	
6MNH	7253-27115	M14X1.5	6.0	.05
6MNL	7253-27105	M12X1.5	6.0	.13
8MNH	7253-27135	M16X1.5	8.0	.04
8MNL	7253-27125	M14X1.5	8.0	.03
10MNH	7253-27155	M18X1.5	10.0	.10
10MNL	7253-27145	M16X1.5	10.0	.05
12MNH	7253-27175	M20X1.5	12.0	.10
12MNL	7253-27165	M18X1.5	12.0	.05
14MNH	7253-27195	M22X1.5	14.0	.10
15MNL	7253-27185	M22X1.5	15.0	.05
16MNH	7253-27205	M24X1.5	16.0	.02
18MNL	7253-27215	M26X1.5	18.0	.15
20MNH	7253-27225	M30X1.5	20.0	.25
22MNL	7253-27235	M30X1.5	22.0	.20
25MNH	7253-27245	M36X1.5	25.0	.46
28MNL	7253-27255	M36X1.5	28.0	.20
30MNH	7253-27265	M42X1.5	30.0	.47
35MNL	7253-27275	M45X1.5	35.0	.30
38MNH	7253-27285	M52X1.5	38.0	.70
42MNL	7253-27295	M52X1.5	42.0	.48

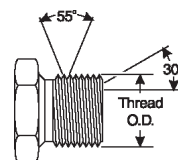
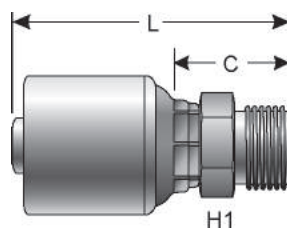
## Male British Standard Pipe Tapered/Japanese Tapered Thread



Descr.	Prod. No.				H1	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
4G-4MBSPT	7100-91075	1/4	6.4	1/4-19	14	1.89	47.9	.97	24.8	.12
6G-6MBSPT	7100-91105	3/8	9.5	3/8-19	19	1.95	49.5	1.03	26.1	.20
8G-8MBSPT	7100-91125	1/2	12.7	1/2-14	22	2.49	63.4	1.22	30.9	.32
10G-10MBSPT	7100-99645	5/8	15.9	5/8-14	24	2.76	70.0	1.28	32.5	.35
12G-12MBSPT	7100-99925	3/4	19.1	3/4-14	32	3.50	89.0	1.50	38.0	.20
16G-16MBSPT	7100-91155	1	25.4	1-11	36	3.44	87.5	1.64	41.6	.94



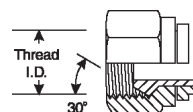
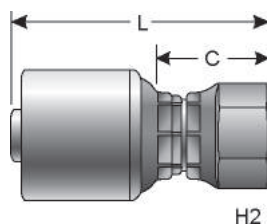
## Male British Standard Parallel Pipe



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
4G-4MBSPP	7100-15515	1/4	6.4	1/4-19	19	2.03	51.5	1.00	25.5	.17
6G-4MBSPP	7100-98255	3/8	9.5	1/4-19	19	2.05	52.0	.95	24.1	.16
6G-6MBSPP	7100-15525	3/8	9.5	3/8-19	22	2.17	55.0	1.07	27.1	.21
6G-8MBSPP	7100-15535	3/8	9.5	1/2-14	27	2.36	60.0	1.26	32.1	.25
8G-6MBSPP	7100-93245	1/2	12.7	3/8-19	22	2.30	58.5	1.02	26.0	.25
8G-8MBSPP	7100-05545	1/2	12.7	1/2-14	27	2.72	69.0	1.24	31.5	.32
10G-10MBSPP	7100-99625	5/8	15.9	5/8-14	30	2.83	72.0	1.36	34.5	.41
10G-12MBSPP	7100-99655	5/8	15.9	3/4-14	32	2.91	74.0	1.44	36.5	.48
12G-12MBSPP	7100-99905	3/4	19.1	3/4-14	32	3.54	90.0	1.54	39.0	.59
16G-16MBSPP	7100-05575	1	25.4	1-11	41	3.98	101.0	1.74	44.2	1.14
20G-20MBSPP	7100-05585	1 1/4	31.8	1 1/4-11	50	4.33	110.0	2.01	51.0	1.68

## Female British Standard Parallel Pipe O-Ring Swivel

Includes O-Ring sealing in flare.



Descr.	Prod. No.	⊖		🌀	H2	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
4G-2FBSPX	7100-93285	1/4	6.4	1/8-28	14	1.62	41.1	.71	18.0	.10
4G-4FBSPORX	7100-95915	1/4	6.4	1/4-19	19	1.69	43.0	1.22	31.1	.15
4G-6FBSPORX	7100-95925	1/4	6.4	3/4-14	32	2.82	71.6	.81	20.6	.17
5G-6FBSPORX	7100-94195	5/16	7.9	3/8-19	22	2.13	54.0	1.02	26.0	.02
5G-8FBSPORX	7100-94205	5/16	7.9	1/2-14	27	2.16	54.8	1.06	26.8	.22
6G-6FBSPORX	7100-96295	3/8	9.5	3/8-19	22	1.74	44.1	.64	16.2	.20
6G-8FBSPORX	7100-96305	3/8	9.5	1/2-14	27	1.80	45.8	.71	17.9	.24
8G-6FBSPORX	7100-94235	1/2	12.7	3/8-19	22	2.62	66.5	1.14	29.0	.30
8G-8FBSPORX	7100-96535	1/2	12.7	1/2-14	27	2.19	55.5	.70	17.8	.30
8G-10FBSPORX	7100-96545	1/2	12.7	5/8-14	30	2.25	57.2	.78	19.8	.37
8G-12FBSPORX	7100-96555	1/2	12.7	3/4-14	32	2.32	59.0	.85	21.5	.41
10G-10FBSPORX	7100-99445	5/8	15.9	5/8-14	30	2.20	56.0	.73	18.5	.39
10G-12FBSPORX	7100-99485	5/8	15.9	3/4-14	32	2.28	58.0	.81	20.5	.43
12G-12FBSPORX	7100-99825	3/4	19.1	3/4-14	32	2.82	71.6	.81	20.6	.58
12G-16FBSPORX	7100-99835	3/4	19.1	1-11	41	2.89	73.3	.88	22.3	.85
16G-16FBSPORX	7100-94305	1	25.4	1-11	41	3.78	96.0	1.54	39.2	1.10
20G-20FBSPORX	7100-95235	1 1/4	31.8	1 1/4-11	50	3.48	88.5	1.16	29.5	1.53

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
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POLARSEAL II  
COUPLINGS

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PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

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COUPLINGS

ADAPTERS

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COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

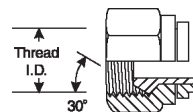
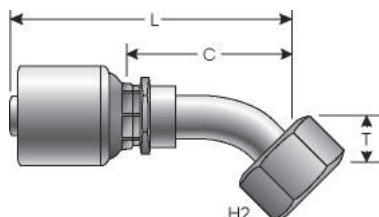
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female British Standard Parallel Pipe O-Ring Swivel - 45° Bent Tube

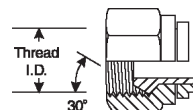
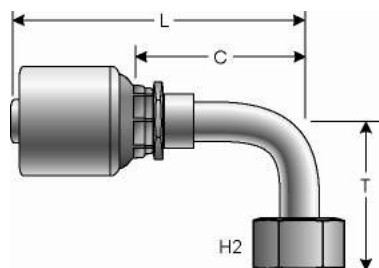
Includes O-Ring sealing in flare.




Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4G-4FBSPORX45	7100-95935	1/4	6.4	1/4-19	19	.46	11.5	2.25	57.1	1.22	31.1	.15
6G-6FBSPORX45	7100-96315	3/8	9.5	3/8-19	22	.60	15.2	2.63	66.9	1.54	39.0	.22
6G-8FBSPORX45	7100-96325	3/8	9.5	1/2-14	22	.76	19.3	2.79	71.0	1.69	43.0	.27
8G-8FBSPORX45	7100-96565	1/2	12.7	1/2-14	27	.67	17.0	3.21	81.5	1.73	44.0	.18
8G-10FBSPORX45	7100-96575	1/2	12.7	5/8-14	30	.91	23.0	3.53	89.8	2.06	52.3	.36
10G-10FBSPORX45	7100-99455	5/8	15.9	5/8-14	30	.84	21.3	3.53	89.6	2.05	52.1	.48
10G-12FBSPORX45	7100-99495	5/8	15.9	3/4-14	32	1.27	32.2	3.92	99.5	2.44	62.0	.54
12G-12FBSPORX45	7100-96795	3/4	19.1	3/4-14	32	1.11	28.3	4.54	115.4	2.54	64.4	.56
16G-16FBSPORX45	7100-91535	1	25.4	1-11	41	1.22	30.9	4.87	123.6	3.10	78.8	1.20
20G-20FBSPORX45	7100-92715	1 1/4	31.8	1 1/4-11	50	1.48	37.5	5.50	139.6	3.68	93.4	2.20

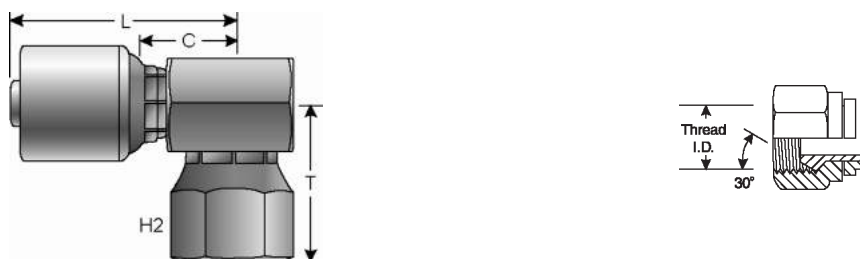
## Female British Standard Parallel Pipe O-Ring Swivel - 90° Bent Tube


Includes O-Ring sealing in flare.



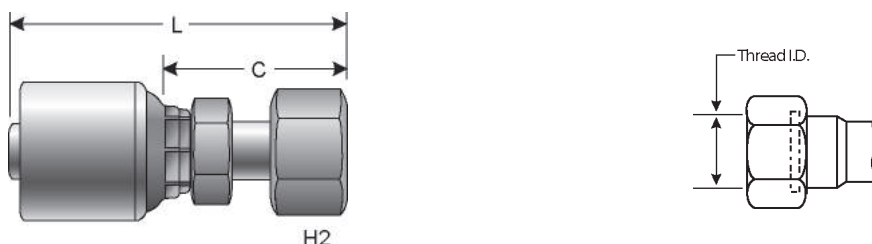
Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
4G-4FBSPORX90	7100-95955	1/4	6.4	1/4-19	19	.93	23.3	2.07	52.5	1.04	26.5	.16
6G-6FBSPORX90	7100-96335	3/8	9.5	3/8-19	22	1.26	32.0	2.44	61.9	1.34	34.0	.22
6G-8FBSPORX90	7100-96345	3/8	9.5	1/2-14	22	1.48	37.5	2.37	60.1	1.27	32.2	.28
8G-8FBSPORX90	7100-96585	1/2	12.7	1/2-14	27	1.47	37.3	3.07	78.0	1.59	40.5	.36
8G-10FBSPORX90	7100-96595	1/2	12.7	5/8-14	30	1.81	46.0	3.16	80.2	1.69	42.8	.45
10G-10FBSPORX90	7100-99465	5/8	15.9	5/8-14	30	1.81	46.0	3.31	84.1	1.84	46.6	.52
10G-12FBSPORX90	7100-99505	5/8	15.9	3/4-14	32	2.36	60.0	3.31	84.1	1.84	46.6	.58
12G-12FBSPORX90	7100-96805	3/4	19.1	3/4-14	32	2.36	60.0	4.21	107.0	2.21	56.0	.80
12G-16FBSPORX90	7100-96815	3/4	19.1	1-11	41	2.76	70.0	4.42	112.2	2.41	61.2	1.10
16G-16FBSPORX90	7100-91635	1	25.4	1-11	41	2.76	70.0	4.69	119.2	2.93	74.3	1.48
20G-20FBSPORX90	7100-91645	1 1/4	31.8	1 1/4-11	50	3.15	80.0	5.07	128.8	3.26	82.8	2.35


## Female British Standard Parallel Pipe O-Ring Swivel - 90° Block



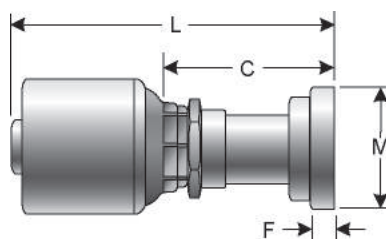
Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
4G-4FBSPORX90BL	7100-91825	1/4	6.4	1/4-19	19	.71	18.0	1.74	44.2	.72	18.2	.20
6G-6FBSPORX90BL	7100-91835	3/8	9.5	3/8-19	22	.83	21.0	1.71	43.5	.79	20.0	.35
8G-8FBSPORX90BL	7100-91845	1/2	12.7	1/2-14	27	.94	24.0	2.20	55.9	.93	23.5	.55
16G-16FBSPORX90BL	7100-92585	1	25.4	1-11	41	1.42	36.1	3.17	80.5	1.36	34.6	1.86

## Female British Flat-Face Swivel



Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	
6G-6FBFFX	7100-96375	3/8	9.5	3/8-19	22	1.75	44.5	.65	16.6	.21
6G-8FBFFX	7100-96385	3/8	9.5	1/2-14	27	1.73	44.0	.63	16.1	.25
8G-8FBFFX	7100-96605	1/2	12.7	1/2-14	27	2.11	53.5	.63	16.0	.33
8G-12FBFFX	7100-96625	1/2	12.7	3/4-14	32	2.03	51.5	.55	14.0	.40
10G-12FBFFX	7100-99515	5/8	15.9	3/4-14	32	2.05	52.0	.58	14.5	.40

## Komatsu O-Ring Flange - Straight



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
8G-10FLK	7100-03805	1/2	12.7	1.35	34.3	3.15	80.0	1.67	42.5	.27	6.9	.45

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

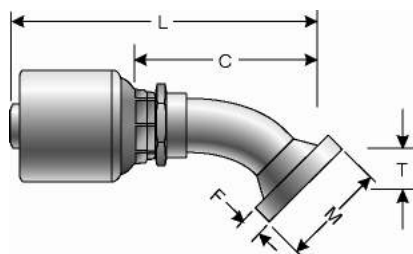
ACCESSORIES

EQUIPMENT AND  
PARTS

## Komatsu O-Ring Flange - Straight - Continued

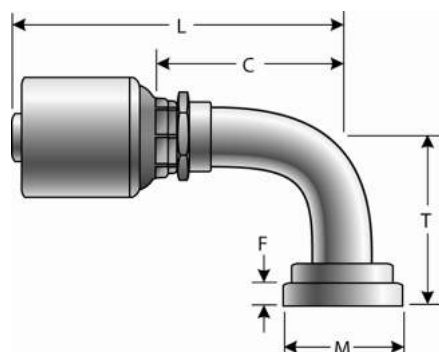
Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
10G-10FLK	7100-03825	5/8	15.9	1.35	34.3	4.69	119.0	3.21	81.5	.27	6.9	.48

## Komatsu O-Ring Flange - 45° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
10G-10FLK45	7100-04155	5/8	15.9	1.35	34.3	1.02	26.0	4.19	106.5	2.72	69.0	.27	6.9	.51

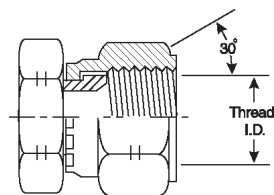
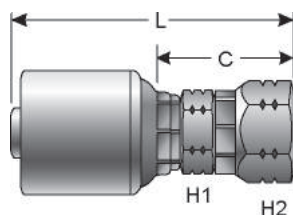
## Komatsu O-Ring Flange - 90° Bent Tube



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
10G-10FLK90	7100-04475	5/8	15.9	1.35	34.3	2.17	55.0	3.90	99.0	2.42	61.5	.27	6.9	.55

## Female Komatsu Style Japanese Metric Swivel

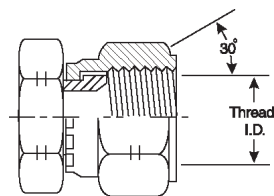
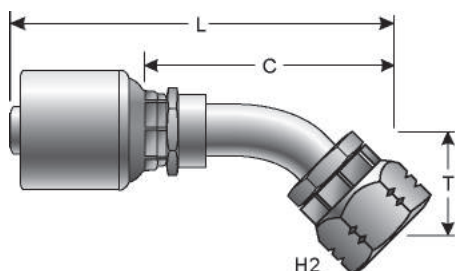
These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
4G-4FKX	7100-03625	1/4	6.4	M14X1.5	14	19	2.35	59.7	1.33	33.7	.17
4G-6FKX	7100-03635	1/4	6.4	M18X1.5	14	24	2.44	62.0	1.42	36.0	.22
6G-6FKX	7100-03645	3/8	9.5	M18X1.5	17	24	2.52	64.0	1.42	36.1	.25
8G-8FKX	7100-03655	1/2	12.7	M22X1.5	22	27	3.07	78.1	1.60	40.6	.39
10G-10FKX	7100-03665	5/8	15.9	M24X1.5	24	32	3.21	81.5	1.73	44.0	.52
12G-12FKX	7100-03675	3/4	19.1	M30X1.5	30	36	3.95	100.3	1.94	49.3	.78
16G-16FKX	7100-03685	1	25.4	M33X1.5	41	41	4.57	116.0	2.33	59.2	1.40

## Female Komatsu Style Japanese Metric Swivel - 45° Bent Tube

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
4G-4FKX45	7100-03035	1/4	6.4	M14X1.5	19	.75	19.0	2.93	74.3	1.90	48.3	.11
6G-6FKX45	7100-03045	3/8	9.5	M18X1.5	24	1.10	28.0	3.64	92.4	2.54	64.4	.27
8G-8FKX45	7100-03055	1/2	12.7	M22X1.5	27	.71	18.0	3.85	97.7	2.37	60.3	.46
10G-10FKX45	7100-03065	5/8	15.9	M24X1.5	32	1.10	28.0	4.70	119.3	3.22	81.8	.66
12G-12FKX45	7100-03075	3/4	19.1	M30X1.5	36	1.18	30.0	5.64	143.2	3.63	92.2	.97

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

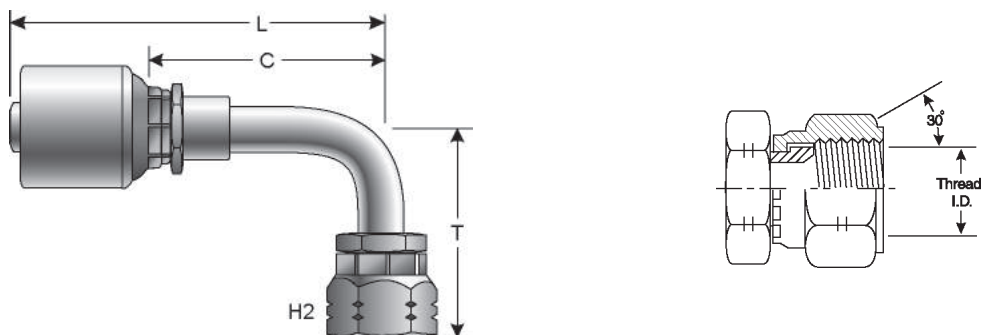
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female Komatsu Style Japanese Metric Swivel - 90° Bent Tube

These female swivels have been marked with two small notches on the hex to identify them as the Komatsu style.



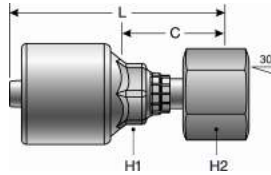
Descr.	Prod. No.	⊖			H1	H2		T		L		C		Weight (Lbs.)
		"	mm	"		"	mm	"	mm	"	mm	"	mm	
4G-4FKX90	7100-03125	1/4	6.4	M14X1.5	—	—	19	1.50	38.0	2.47	62.7	1.44	36.7	.19
6G-6FKX90	7100-03135	3/8	9.5	M18X1.5	—	—	24	1.10	28.0	2.72	69.1	1.62	41.2	.28
8G-8FKX90	7100-03145	1/2	12.7	M22X1.5	—	—	27	1.38	35.0	3.63	92.2	2.15	54.7	.44
10G-10FKX90	7100-06795	5/8	15.9	M24X1.5	15/16	1 1/4	—	2.57	65.3	3.43	87.0	1.95	49.5	.69
12G-12FKX90	7100-03165	3/4	19.1	M30X1.5	—	—	36	2.48	63.0	5.33	135.5	3.33	84.5	1.04


## Female Japanese Industrial Standard Swivel



Descr.	Prod. No.	⌀		M	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4G-4FJISX	7100-03305	1/4	6.4	1/4-19	14	19	2.32	59.0	1.30	33.0	.17
6G-6FJISX	7100-03325	3/8	9.5	3/8-19	17	22	2.46	62.5	1.36	34.6	.22
8G-8FJISX	7100-03345	1/2	12.7	1/2-14	22	27	3.15	79.9	1.67	42.4	.41
12G-12FJISX	7100-03365	3/4	19.1	3/4-14	30	36	3.79	96.3	1.78	45.3	.81
16G-16FJISX	7100-03385	1	25.4	1-11	41	41	4.28	108.6	2.04	51.8	1.02
20G-20FJISX	7100-03405	1 1/4	31.8	1 1/4-11	50	50	4.89	124.1	2.56	65.1	1.89

## Female Japanese Inverted Flare Parallel Threads



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
4G-4FJISPX	7100-20445	1/4	6.4	1/4-19	15	19	2.01	51.0	.98	25.0	.17
6G-6FJISPX	7100-20455	3/8	9.5	3/8-19	18	22	2.17	55.0	1.03	26.2	.22
8G-8JISPX	7100-20465	1/2	12.7	3/4-14	22	27	2.56	65.0	1.16	29.5	.40
12G-12JISPX	7100-20485	3/4	19.1	3/4-14	30	36	3.37	85.5	1.36	34.5	.82
16G-16JISPX	7100-20495	1	25.4	1-11	41	41	3.84	97.5	1.60	40.7	1.45
20G-20FJISPX	7100-20505	1 1/4	31.8	1 1/4-11	41	50	4.29	109.0	1.97	50.0	1.93

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

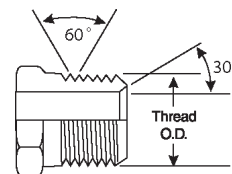
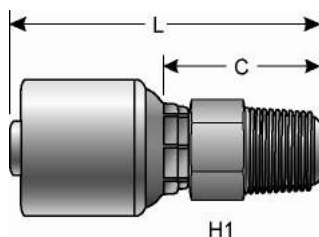
LIVE SWIVEL

BALL VALVES

ACCESSORIES

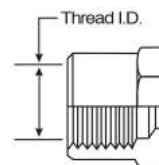
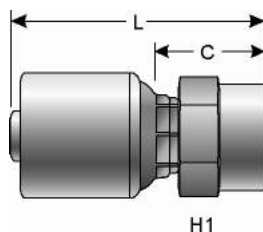
EQUIPMENT AND  
PARTS

## Male Pipe (NPTF - 30° Cone Seat)



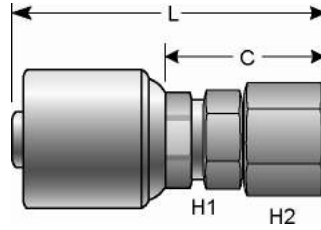
Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-2MP-TCX	7321-50905	1/4	6.4	1/8-27	1/2	1.96	49.8	.94	23.9	.11
4G-4MP-TCX	7321-50865	1/4	6.4	1/4-18	9/16	2.17	55.0	1.14	29.0	.14
4G-6MP-TCX	7321-50885	1/4	6.4	3/8-18	11/16	2.17	55.0	1.14	29.0	.15
4G-8MP-TCX	7321-50925	1/4	6.4	1/2-14	7/8	2.44	62.0	1.41	35.8	.22
6G-4MP-TCX	7321-50915	3/8	9.5	1/4-18	5/8	2.32	58.9	1.22	31.0	.17
6G-6MP-TCX	7321-50855	3/8	9.5	3/8-18	11/16	2.32	58.9	1.22	31.0	.19
6G-8MP-TCX	7321-50945	3/8	9.5	1/2-14	7/8	2.51	63.8	1.42	36.1	.23
8G-6MP-TCX	7321-50935	1/2	12.7	3/8-18	13/16	2.72	69.0	1.24	31.5	.29
8G-8MP-TCX	7321-50845	1/2	12.7	1/2-14	7/8	2.87	73.0	1.40	35.5	.27
8G-12MP-TCX	7321-50955	1/2	12.7	3/4-14	1 1/16	2.95	74.9	1.47	37.3	.41
10G-8MP-TCX	7321-50995	5/8	15.9	1/2-14	15/16	2.95	75.0	1.48	37.5	.35
10G-12MP-TCX	7321-51015	5/8	15.9	3/4-14	1 1/16	2.95	75.0	1.48	37.5	.05
12G-8MP-TCX	7321-50985	3/4	19.1	1/2-14	1 1/16	3.46	87.9	1.45	36.8	.57
12G-12MP-TCX	7321-50875	3/4	19.1	3/4-14	1 1/16	3.46	87.9	1.45	36.8	.62
12G-16MP-TCX	7321-50975	3/4	19.1	1-11 1/2	1 3/8	3.77	95.8	1.77	45.0	.70
16G-12MP-TCX	7321-51005	1	25.4	3/4-14	1 3/8	3.93	99.8	1.70	43.2	1.11
16G-16MP-TCX	7321-50895	1	25.4	1-11 1/2	1 3/8	4.11	104.4	1.87	47.5	1.05
20G-20MP-TCX	7321-50965	1 1/4	31.8	1 1/4-11 1/2	1 3/4	4.44	112.8	2.12	53.8	1.52

## Female Pipe (NPTF - Without 30° Cone Seat)



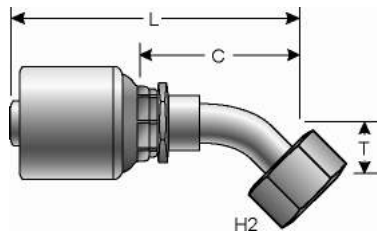
Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4G-2FP-TCX	7321-51055	1/4	6.4	1/8-27	9/16	1.74	44.2	.72	18.3	.12
4G-4FP-TCX	7321-51025	1/4	6.4	1/4-18	11/16	1.98	50.3	.96	24.4	.13
6G-4FP-TCX	7321-50335	1/4	9.5	1/4-18	11/16	2.00	50.8	.90	22.9	.50
6G-6FP-TCX	7321-51035	3/8	9.5	3/8-18	13/16	2.06	52.3	.96	24.4	.18
6G-8FP-TCX	7321-51065	3/8	9.5	1/2-14	1	2.24	56.9	1.14	29.0	.21
8G-6FP-TCX	7321-50385	3/8	12.7	3/8-18	13/16	2.46	62.5	.98	24.9	.27
8G-8FP-TCX	7321-51045	1/2	12.7	1/2-14	1	2.63	66.8	1.16	29.5	.30
12G-12FP-TCX	7321-51075	3/4	19.1	3/4-14	1.25	3.22	81.8	1.22	31.0	.55

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	
4G-4FJX-TCX	7321-51105	1/4	6.4	7/16-20	15	14	2.2	55.9	1.18	29.9	.13
4G-5FJX-TCX	7321-51215	1/4	6.4	1/2-20	15	17	2.30	58.3	1.27	32.3	.17
4G-6FJX-TCX	7321-51135	1/4	6.4	9/16-18	15	19	2.35	59.6	1.32	33.6	.17
5G-6FJX-TCX	7321-51275	5/16	7.9	9/16-18	17	19	2.50	63.6	1.40	35.6	.21
6G-6FJX-TCX	7321-51085	3/8	9.5	9/16-18	18	19	2.42	61.5	1.29	32.7	.24
6G-8FJX-TCX	7321-51125	3/8	9.5	3/4-16	18	24	2.63	66.7	1.49	37.9	.27
6G-10FJX-TCX	7321-51205	3/8	9.5	7/8-14	18	27	2.76	70.0	1.62	41.2	.31
8G-6FJX-TCX	7321-51225	1/2	12.7	9/16-18	22	19	3.81	96.7	2.33	59.2	.36
8G-8FJX-TCX	7321-51095	1/2	12.7	3/4-16	22	24	2.88	73.2	1.50	38.0	.30
8G-10FJX-TCX	7321-51145	1/2	12.7	7/8-14	22	27	3.01	76.5	1.63	41.3	.28
8G-12FJX-TCX	7321-51185	1/2	12.7	1 1/16-12	22	32	3.06	77.7	1.67	42.5	.45
10G-8FJX-TCX	7321-51255	5/8	15.9	3/4-16	24	24	4.06	103.0	2.58	65.5	1.05
10G-10FJX-TCX	7321-51165	5/8	15.9	7/8-14	24	27	3.14	79.7	1.66	42.2	.43
10G-12FJX-TCX	7321-50535	5/8	15.9	1 1/16-12	24	32	3.20	81.4	1.73	43.9	.45
12G-10FJX-TCX	7321-51235	3/4	19.1	7/8-14	27	27	4.80	122.0	2.80	71.0	.76
12G-12FJX-TCX	7321-51115	3/4	19.1	1 1/16-12	30	32	3.74	95.0	1.73	44.0	.65
12G-14FJX-TCX	7321-51295	3/4	19.1	1 3/16-12	30	36	3.81	96.9	1.81	45.9	.82
12G-16FJX-TCX	7321-51195	3/4	19.1	1 5/16-12	30	41	3.85	97.9	1.85	46.9	.85
16G-12FJX-TCX	7321-51245	1	25.4	1 1/16-12	36	32	5.89	149.5	3.65	92.7	1.21
16G-16FJX-TCX	7321-51155	1	25.4	1 5/16-12	36	41	4.24	107.8	2.01	51.0	1.15
16G-20FJX-TCX	7321-51305	1	25.4	1 5/8-12	36	50	4.54	115.3	2.30	58.5	1.35
20G-20FJX-TCX	7321-51175	1 1/4	31.8	1 5/8-12	41	50	4.42	112.3	2.09	53.3	1.75

## Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
4G-6FJX45S-TCX	7321-51375	1/4	6.4	9/16-18	19	.43	11	2.69	68.3	1.67	42.3	.18
6G-6FJX45S-TCX	7321-51325	3/8	9.5	9/16-18	19	.43	11	3.05	77.5	1.95	49.6	.23
6G-8FJX45S-TCX	7321-51385	3/8	9.5	3/4-16	24	.59	15	3.51	89.1	2.41	61.2	.60
8G-8FJX45S-TCX	7321-51335	1/2	12.7	3/4-16	24	.59	15	3.42	86.9	1.95	49.5	.38
8G-10FJX45S-TCX	7321-51365	1/2	12.7	7/8-14	27	.63	16	3.81	96.8	2.34	59.4	.48
10G-10FJX45S-TCX	7321-51405	5/8	15.9	7/8-14	27	.63	16	3.80	96.4	2.32	59.0	.52
10G-12FJX45S-TCX	7321-51415	5/8	15.9	1 1/16-12	32	.83	21	4.57	116.0	3.09	78.5	.64

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

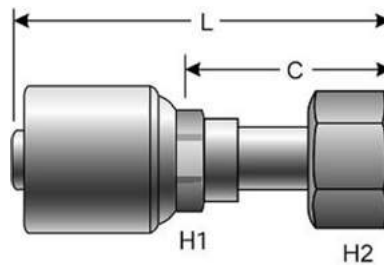
ACCESSORIES

EQUIPMENT AND  
PARTS

## Female JIC 37° Flare Swivel - 45° Bent Tube - Continued

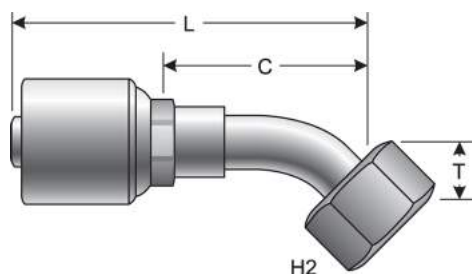
Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
12G-12FJX45S-TCX	7321-51345	3/4	19.1	1 1/16-12	32	.83	21	5.09	129.2	3.08	78.2	.82

## Female Flat-Face O-Ring Swivel



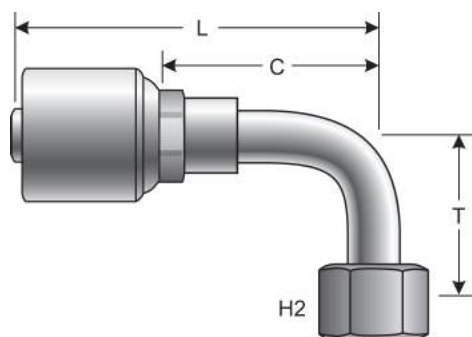
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4G-4FFORX-TCX	7321-50305	1/4	6.4	9/16-18	15	17	2.07	52.7	1.05	26.7	.14
4G-6FFORX-TCX	7321-50325	1/4	6.4	11/16-16	15	22	2.01	51.1	.99	25.1	.20
6G-4FFORX-TCX	7321-50445	3/8	9.5	9/16-18	17	17	3.08	78.3	1.98	50.3	.20
6G-6FFORX-TCX	7321-50015	3/8	9.5	11/16-16	18	22	2.27	57.7	1.14	28.9	.20
6G-8FFORX-TCX	7321-50345	3/8	9.5	13/16-16	18	24	2.26	57.4	1.13	28.6	.29
8G-6FFORX-TCX	7321-50375	1/2	12.7	11/16-16	22	22	3.78	95.9	2.30	58.4	.39
8G-8FFORX-TCX	7321-50425	1/2	12.7	13/16-16	22	24	2.62	66.5	1.23	31.3	.33
8G-10FFORX-TCX	7321-50755	1/2	12.7	1-14	22	30	2.76	70.0	1.37	34.8	.41
8G-12FFORX-TCX	7321-50355	1/2	12.7	1 3/16-12	22	36	2.81	71.5	1.43	36.3	.59
10G-10FFORX-TCX	7321-50545	5/8	15.9	1-14	24	30	2.99	76.0	1.52	38.5	.49
10G-12FFORX-TCX	7321-50635	5/8	15.9	1 3/16-12	24	36	3.03	77.0	1.56	39.5	.62
12G-10FFORX-TCX	7321-50125	3/4	19.1	1-14	30	30	3.74	95.1	1.74	44.1	.74
12G-12FFORX-TCX	7321-50025	3/4	19.1	1 3/16-12	30	36	3.65	92.8	1.65	41.8	.80
12G-16FFORX-TCX	7321-50465	3/4	19.1	1 7/16-12	30	41	3.48	88.3	1.47	37.3	.80
16G-16FFORX-TCX	7321-50205	1	25.4	1 7/16-12	36	41	4.09	104.0	1.86	47.2	1.05
16G-20FFORX-TCX	7321-50215	1	25.4	1 11/16-12	36	50	4.06	103.0	1.82	46.2	1.45
20G-20FFORX-TCX	7321-50255	1 1/4	31.8	1 11/16-12	41	50	4.29	109.0	1.97	50.0	1.98

## Female Flat-Face O-Ring Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
4G-4FFORX45S-TCX	7321-50275	1/4	6.4	9/16-18	17	.39	10.0	2.57	65.2	1.54	39.2	.09
4G-6FFORX45S-TCX	7321-50475	1/4	6.4	11/16-16	22	.43	11.0	2.70	68.5	1.67	42.5	.20
6G-4FFORX45S-TCX	7321-50695	3/8	9.5	9/16-18	17	.39	10.0	2.60	66.1	1.50	38.1	.18
6G-6FFORX45S-TCX	7321-50035	3/8	9.5	11/16-16	22	.43	11.0	2.75	69.8	1.65	41.9	.23
6G-8FFORX45S-TCX	7321-50045	3/8	9.5	13/16-16	24	.59	15.0	3.35	85.2	2.26	57.3	.28
8G-8FFORX45S-TCX	7321-50395	1/2	12.7	13/16-16	24	.59	15.0	3.50	89.0	2.03	51.6	.35
8G-10FFORX45S-TCX	7321-50765	1/2	12.7	1-14	30	.63	16.0	3.98	101.0	2.50	63.5	.48
10G-10FFORX45S-TCX	7321-50625	5/8	15.9	1-14	30	.63	16.0	3.96	100.5	2.48	63.0	.52
12G-10FFORX45S-TCX	7321-50055	3/4	19.1	1-14	30	.63	16.0	4.45	113.0	2.44	62.0	.71
12G-12FFORX45S-TCX	7321-50065	3/4	19.1	1 3/16-12	36	.83	21.0	4.66	118.4	2.65	67.4	.76
12G-16FFORX45S-TCX	7321-50585	3/4	19.1	1 7/16-12	41	.94	24.0	4.80	122.0	2.80	71.0	.98
16G-16FFORX45S-TCX	7321-50165	1	25.4	1 7/16-12	41	.94	24.0	5.78	146.9	3.55	90.1	.85
20G-20FFORX45S-TCX	7321-50225	1 1/4	31.8	1 11/16-12	50	.98	25.0	6.22	158.0	3.90	99.0	2.00

## Female Flat-Face O-Ring Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	
4G-4FFORX90S-TCX	7321-50435	1/4	6.4	9/16-18	17	.83	21.0	2.37	60.2	1.35	34.2	.17
4G-6FFORX90S-TCX	7321-50715	1/4	6.4	11/16-16	22	.91	23.0	2.50	63.4	1.47	37.4	.20
6G-6FFORX90S-TCX	7321-50495	3/8	9.5	11/16-16	22	.91	23.0	2.85	72.5	1.76	44.6	.24
6G-8FFORX90S-TCX	7321-50815	3/8	9.5	13/16-16	24	1.14	29.0	2.87	73.0	1.78	45.1	.29
8G-8FFORX90S-TCX	7321-50645	1/2	12.7	13/16-16	24	1.14	29.0	3.30	83.9	1.83	46.5	.37
8G-10FFORX90S-TCX	7321-50835	1/2	12.7	1-14	30	1.26	32.0	3.66	92.9	2.18	55.4	.52
10G-10FFORX90S-TCX	7321-50725	5/8	15.9	1-14	30	1.26	32.0	3.64	92.5	2.17	55.0	1.00
12G-10FFORX90S-TCX	7321-50085	3/4	19.1	1-14	30	1.26	32.0	4.09	104.0	2.09	53.0	.72
12G-12FFORX90S-TCX	7321-50075	3/4	19.1	1 3/16-12	36	1.89	48.0	4.28	108.8	2.28	57.8	.59
16G-16FFORX90S-TCX	7321-50195	1	25.4	1 7/16-12	41	2.20	56.0	5.11	129.9	2.88	73.1	1.40
20G-20FFORX90S-TCX	7321-50245	1 1/4	31.8	1 11/16-12	50	2.52	64.0	5.91	150.0	3.58	91.0	1.45

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

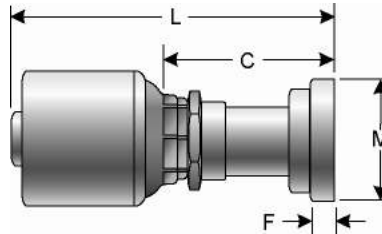
LIVE SWIVEL

BALL VALVES

ACCESSORIES

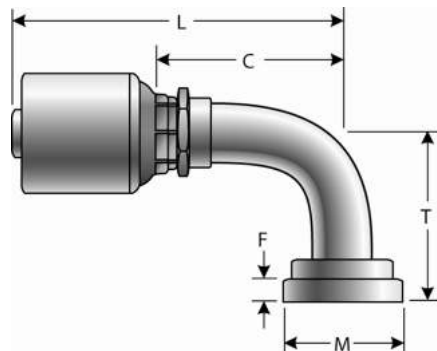
EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange



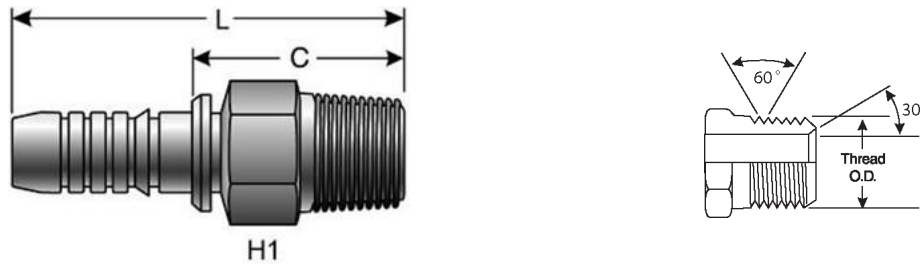
Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
8G-8FL-TCX	7321-51575	1/2	12.7	1.19	30.2	3.15	80.0	1.67	42.5	.27	6.9	.36
12G-12FL-TCX	7321-51555	3/4	19.1	1.50	38.1	3.86	98.0	1.85	47.0	.27	6.9	.72
12G-16FL-TCX	7321-50005	3/4	19.1	1.75	44.5	3.50	88.8	1.49	37.8	.32	8.1	.77
16G-16FL-TCX	7321-51565	1	25.4	1.75	44.5	4.13	105.0	1.90	48.2	.32	8.1	1.23

## Code 61 O-Ring Flange - 90° Bent Tube



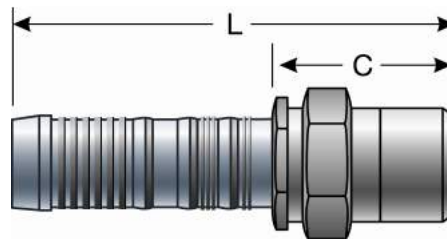
Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12G-12FL90M-TCX	7321-50155	3/4	19.1	1.50	38.1	2.28	58.0	4.54	115.3	2.53	64.3	.27	6.9	.52
20G-20FL90S-TCX	7321-50265	1 1/4	31.8	2.00	50.8	2.68	68.0	6.22	158.1	3.90	99.1	.32	8.1	1.26

## Male Pipe (NPTF - 30° Cone Seat) "S" Series



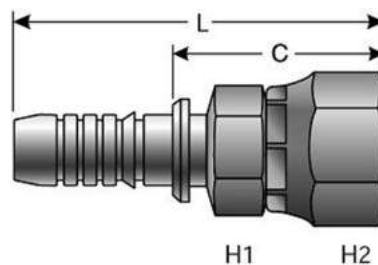
Descr.	Prod. No.	⊖		🌀	H1		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	
6S-6MP-SS	7362-00285	3/8	9.5	3/8-18	.68	17.3	2.24	56.9	1.22	31.0	.11
8S-8MP-SS	7362-00305	1/2	12.7	1/2-14	.87	22.2	1.22	31.0	1.43	36.3	.19
12S-12MP-SS	7362-00335	3/4	19.1	3/4-14	1.06	27	3.54	90.0	1.54	39.0	.35
16S-16MP-SS	7362-00365	1	25.4	1-11 1/2	1.37	34.8	4.17	106.0	1.94	49.2	.56
20S-20MP-SS	7362-00395	1 1/4	31.8	1 1/4-11 1/2	1.81	46	4.94	125.5	2.19	55.6	1.16

## API Line Pipe Connection "S" Series



Descr.	Prod. No.	⊖		L		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
24S-24MPAPI-SS	7362-00455	1 1/2	38.1	6.26	159.0	2.74	69.5	1.88

## Female JIC 37° Flare Swivel "S" Series



Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
6S-6FJX-SS	7362-01245	3/8	9.5	9/16-18	.69	17.5	.75	19.1	2.23	56.6	1.21	30.8	.11
8S-8FJSX-SS	7362-01275	1/2	12.7	3/4-16	.88	22.4	.88	22.4	2.84	72.1	1.36	34.5	.17

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

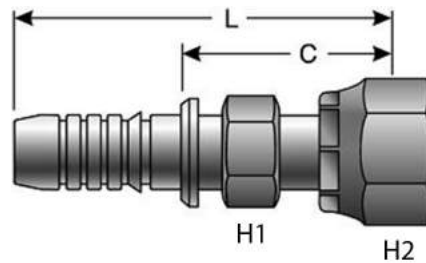
ACCESSORIES

EQUIPMENT AND  
PARTS

Female JIC 37° Flare Swivel "S" Series - Continued

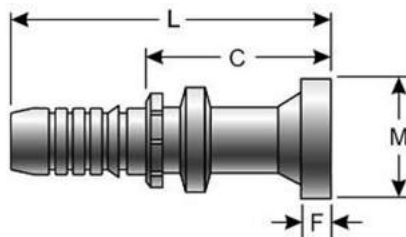
Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
10S-10FJX-SS	7362-01295	5/8	15.9	7/8-14	.94	23.9	1.06	26.9	3.61	91.6	1.63	41.3	.29
12S-12FJX-SS	7362-01325	3/4	19.1	1 1/16-12	1.06	26.9	1.25	31.8	3.91	99.3	1.99	50.6	.42
16S-16FJX-SS	7362-01385	1	25.4	1 3/16-12	1.38	35.1	1.50	38.1	4.35	110.4	2.11	53.6	.63
24S-24FJX-SS	7362-01445	1 1/2	38.1	1 7/8-12	2	50.8	2.25	57.2	6.00	152.5	2.48	63.0	2.00
32S-32FJX-SS	7362-01475	2	50.8	2 1/2-12	2.63	66.7	3	76.2	6.68	169.6	2.85	72.4	3.58

Female Flat-Face O-Ring Swivel Metric Hex "S" Series



Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
6S-6FFORX-SS	7362-03265	3/8	9.5	11/16-16	.75	19	.87	22	2.65	67.5	1.26	32.0	.07
8S-8FFORX-SS	7362-03275	1/2	12.7	13/16-16	.91	23	.94	24	2.91	74.0	1.43	36.4	.21
10S-10FFORX-SS	7362-03295	5/8	15.9	1-14	1.06	27	1.18	30	3.68	93.5	1.70	43.2	.36
12S-12FFORX-SS	7362-03315	3/4	19.1	1 3/16-12	1.18	30	1.41	36	3.70	94.0	1.69	43.0	.51
16S-16FFORX-SS	7362-03335	1	25.4	1 7/16-12	1.42	36	1.61	41	4.47	113.5	2.23	113.5	1.20
20S-20FFORX-SS	7362-03355	1 1/4	31.8	1 11/16-12	1.81	46	1.96	50	5.27	134.0	2.53	64.2	1.46
24S-24FFORX-SS	7362-03375	1 1/2	38.1	2-12	1.97	50	2.36	60	6.06	154.0	2.54	64.5	2.24

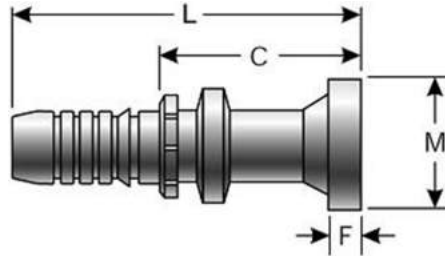
Code 62 O-Ring Flange Heavy "S" Series



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12S-12FLH-SS	7362-04105	3/4	19.1	1.62	41.2	4.48	113.8	2.48	63.0	.35	8.9	.58
16S-16FLH-SS	7362-04135	1	25.4	1.88	47.8	4.92	125.0	2.68	68.1	.38	9.7	.84
20S-20FLH-SS	7362-04155	1 1/4	31.8	2.12	53.9	5.75	146.1	3.00	76.2	.41	10.4	1.46
24S-24FLH-SS	7362-04165	1 1/2	38.1	2.12	53.9	7.14	181.6	3.62	92.1	.41	10.4	2.46
32S-32FLH-SS	7362-04195	2	50.8	3.12	79.3	7.24	183.9	3.42	86.9	.50	12.7	4.10

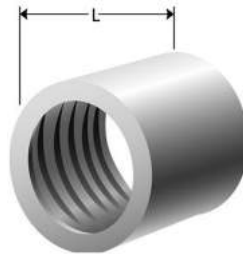


## Code 61 O-Ring Flange "S" Series



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12S-12FL-SS	7362-04375	3/4	19.1	1.50	38.1	4.33	110.0	2.32	59.0	.26	6.6	.48
16S-16FL-SS	7362-04405	1	25.4	1.75	44.5	4.80	122.0	2.57	65.2	.31	7.9	.73
20S-20FL-SS	7362-04435	1 1/4	31.8	2.00	50.8	5.43	138.0	2.69	68.2	.31	7.9	1.23

## Non-Skive Ferrules "S" Series



Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
6S1F-4SS	7362-51445	3/8	9.5	1.10	28.0	.13
8S1F-4SS	7362-51345	1/2	12.7	1.50	38.1	.19
10S1F-2SS	7362-51755	5/8	15.9	1.40	35.6	.14
10S1F-4SS	7362-51485	5/8	15.9	1.88	47.8	.32
12S1F-2SS	7362-51585	3/4	19.1	1.73	44.0	.26
12S1F-4SS	7362-51495	3/4	19.1	2.00	50.8	.43
16S1F-2SS	7362-51595	1	25.4	2.06	52.2	.37
16S1F-4SS	7362-51525	1	25.4	2.22	56.4	.59
20S1F-4SS	7362-51535	1 1/4	31.8	2.67	67.8	.77
20S1F-6SS	7362-51625	1 1/4	31.8	2.87	72.9	1.12

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBAL SPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC. GL AND GLP COUPLINGS

POLAR SEAL COUPLINGS

POLAR SEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

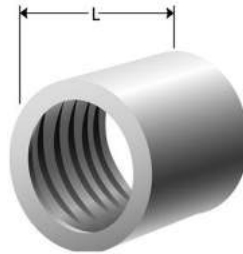
LIVE SWIVEL

BALL VALVES

ACCESSORIES

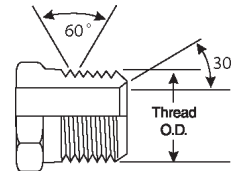
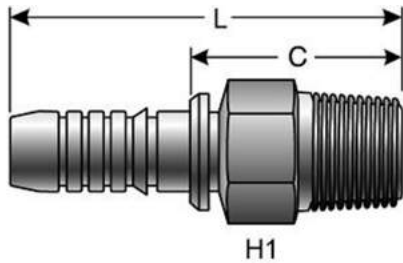
EQUIPMENT AND  
PARTS



## Skive Ferrules "S" Series



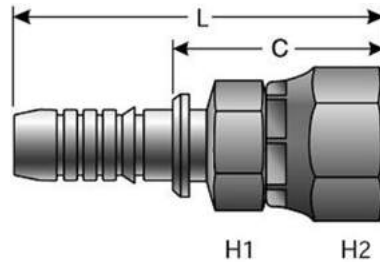
Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
24S2F-6SS	7362-51655	1 1/2	38.1	3.53	89.7	1.60
32S2F-6SS	7362-51685	2	50.8	3.68	93.5	2.42

## Male Pipe (NPTF - 30° Cone Seat) "B" Series



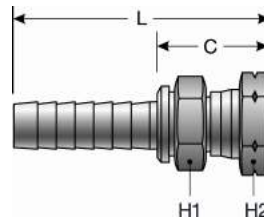
Descr.	Prod. No.				H1		L		C		Weight (Lbs.)
		"	mm	"	"	mm	"	mm	"	mm	
4B-4MP-SS	7362-00245	1/4	6.4	1/4-18	.56	14.3	2.16	54.9	1.14	29.0	.07
6B-6MP-SS	7362-00275	3/8	9.5	3/8-18	.68	17.5	2.32	58.9	1.22	31.0	.10
8B-8MP-SS	7362-00295	1/2	12.7	1/2-14	.88	22.4	2.89	73.4	1.46	37.1	.18
12B-12MP-SS	7362-00325	3/4	19.1	3/4-14	1.06	27	3.21	81.5	1.51	38.4	.29
16B-16MP-SS	7362-00355	1	25.4	1-11 1/2	1.38	35	3.62	91.9	1.91	48.6	.52
20B-20MP-SS	7362-00385	1 1/4	31.8	1 1/4-11 1/2	1.75	44.5	4.44	113.0	2.14	54.6	1.06
24B-24MP-SS	7362-00405	1 1/2	38.1	1 1/2-11 1/2	2	50.8	5.24	133.1	2.34	59.4	2.00
32B-32MP-SS	7362-00425	2	50.8	2-11 1/2	2.50	63.5	6.05	153.7	2.43	61.7	2.34

## Female JIC 37° Flare Swivel "B" Series



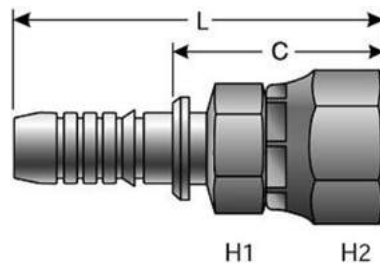
Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
6B-6FJX-SS	7362-01225	3/8	9.5	9/16-18	.62	15.8	.75	19.1	2.35	59.7	1.26	31.8	.11
12B-12FJX-SS	7362-01315	3/4	19.1	1 1/16-12	1.06	26.9	1.25	31.8	3.41	86.6	1.71	43.4	.03
16B-16FJX-SS	7362-01375	1	25.4	1 5/16-12	1.37	34.8	1.50	38.1	3.66	92.9	1.95	49.5	.55
20B-20FJX-SS	7362-01405	1 1/4	31.8	1 5/8-12	1.88	47.6	2	50.8	4.72	119.9	2.42	61.5	1.27
24B-24FJX-SS	7362-01435	1 1/2	38.1	1 7/8-12	2	50.8	2.25	57.2	5.39	136.9	2.50	63.5	1.70
32B-32FJX-SS	7362-01465	2	50.8	2 1/2-12	2.75	69.9	3	76.2	6.48	164.6	2.86	72.6	3.00

## Female SAE 45° Flare Swivel "B" Series



Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
12B-12FSX-SS	7362-01335	3/4	19.1	1 1/16-14	1.06	26.9	1.25	31.8	3.41	86.6	1.71	43.4	.32

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel "B" Series



Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
4B-4FJSX-SS	7362-01205	1/4	6.4	7/16-20	.50	12.7	.56	14.2	2.24	57.0	1.21	30.9	.07
8B-8FJSX-SS	7362-01265	1/2	12.7	3/4-16	.81	20.6	.87	22.1	2.82	71.6	1.38	35.1	.16

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

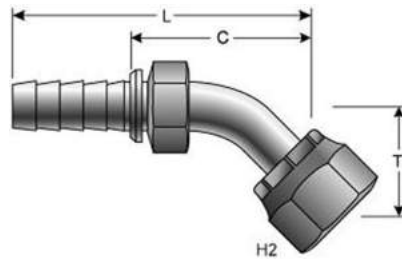
EQUIPMENT AND  
PARTS

## Stainless Steel Couplings

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel "B" Series - Continued

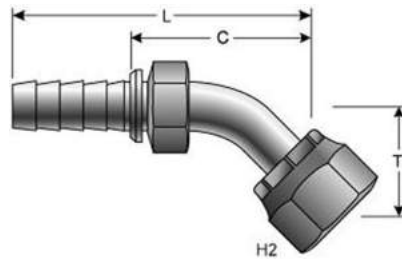
Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
10B-10FJSX-SS	7362-01285	5/8	15.9	7/8-14	.93	23.6	1.06	26.9	3.06	77.7	1.61	41.4	.25

### Female JIC 37° Flare Swivel 45° Bent Tube "B" Series



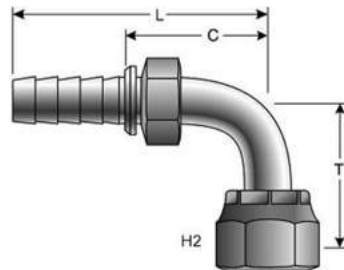
Descr.	Prod. No.	⊖		🌀	H2		T		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
6B-6FJX45S-SS	7362-11235	3/8	9.5	9/16-18	.75	19.1	.43	11.0	2.94	74.6	1.84	46.7	.11
12B-12FJX45S-SS	7362-11345	3/4	19.1	1 1/16-12	1.25	31.8	.83	21.0	5.27	133.8	3.56	90.4	.50

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel 45° Bent Tube "B" Series



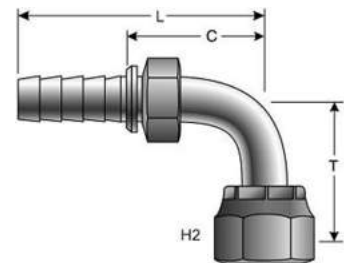
Descr.	Prod. No.	⊖		🌀	H2		T		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
4B-4FJSX45S-SS	7362-11205	1/4	6.4	7/16-20	.56	14.2	.39	10.0	2.59	65.7	1.56	39.6	.06
8B-8FJSX45S-SS	7362-11285	1/2	12.7	3/4-16	.88	22.4	.59	15.0	3.65	92.7	2.22	56.4	.19
10B-10FJSX45S-SS	7362-11305	5/8	15.9	7/8-14	1.06	26.9	.63	16.0	4.04	102.6	2.60	66.1	.31

## Female JIC 37° Flare Swivel 90° Bent Tube "B" Series



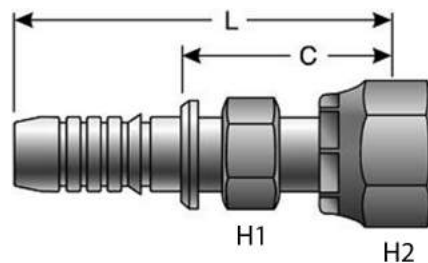
Descr.	Prod. No.	⊖		🌀	H2		T		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
6B-6FJX90M-SS	7362-21265	3/8	9.5	9/16-18	.75	19.1	1.50	38.0	2.13	54.1	1.03	26.2	.12
12B-12FJX90M-SS	7362-21455	3/4	19.1	1 1/16-12	1.25	31.8	2.28	57.9	3.81	96.8	2.11	53.5	.50
16B-16FJX90M-SS	7362-21555	1	25.4	1 5/16-12	1.50	38.1	2.80	71.0	4.37	110.9	2.66	67.6	.78

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel 90° Bent Tube "B" Series



Descr.	Prod. No.	⊖		🌀	H2		T		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
4B-4FJSX90M-SS	7362-21215	1/4	6.4	7/16-20	.56	14.2	1.26	32.0	1.92	48.9	.90	22.9	.07
8B-8FJSX90M-SS	7362-21355	1/2	12.7	3/4-16	.87	22.1	1.61	41.0	2.83	72.0	1.40	35.6	.22
10B-10FJSX90M-SS	7362-21405	5/8	15.9	7/8-14	1.06	26.9	1.85	47.0	3.06	77.7	1.62	41.2	.32

## Female Flat-Face O-Ring Swivel Metric Hex "B" Series



Descr.	Prod. No.	⊖		🌀	H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
4B-4FFORX-SS	7362-03045	1/4	6.4	9/16-18	.55	14	.67	17	2.14	54.5	1.11	28.4	.08

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

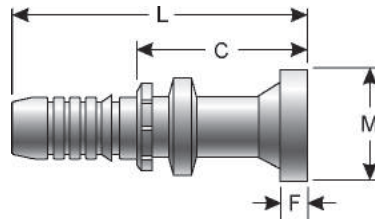
ACCESSORIES

EQUIPMENT AND  
PARTS

Female Flat-Face O-Ring Swivel Metric Hex "B" Series - Continued

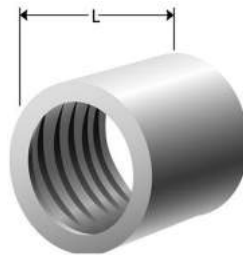
Descr.	Prod. No.	⊖			H1		H2		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	"	mm	
8B-8FFORX-SS	7362-03085	1/2	12.7	13/16-16	.87	22.2	.87	24	2.89	73.4	1.46	37.1	.19
10B-10FFORX-SS	7362-03105	5/8	15.9	1-14	.94	24	1.18	30	3.09	78.5	1.66	42.1	.32
12B-12FFORX-SS	7362-03125	3/4	19.1	1 3/16-12	1.18	30	1.42	36	3.42	87.0	1.72	43.7	.51
16B-16FFORX-SS	7362-03145	1	25.4	1 7/16-12	1.42	36	1.61	40.9	3.97	101.0	2.27	57.7	1.12
20B-20FFORX-SS	7362-03165	1 1/4	31.8	1 11/16-12	1.81	46	1.97	41	4.88	124.0	2.58	65.6	1.47
24B-24FFORX-SS	7362-03185	1 1/2	38.1	2-12	1.97	50	2.36	60	5.51	140.0	2.61	66.4	2.25

Code 61 O-Ring Flange "B" Series




Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
24B-24FL-SS	7362-04475	1 1/2	38.1	2.36	59.9	5.89	149.6	2.99	75.9	.31	7.9	1.65
32B-32FL-SS	7362-04205	2	50.8	2.81	71.4	6.27	159.3	2.65	67.3	.36	9.1	2.54

Non-Skive Ferrule "B" Series



Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
4B1F-1SS	7362-51305	1/4	6.4	1.25	31.8	.07
4B1F-2SS	7362-51415	1/4	6.4	1.04	26.3	.06
6B1F-1SS	7362-51425	3/8	9.5	1.20	30.5	.08
6B1F-2SS	7362-51435	3/8	9.5	1.20	30.5	.09
8B1F-1SS	7362-51465	1/2	12.7	1.47	37.3	.15
10B1F-1SS	7362-51475	5/8	15.9	1.47	37.3	.15
12B1F-1SS	7362-51505	3/4	19.1	1.69	42.9	.29
12B1F-2SS	7362-51565	3/4	19.1	1.65	42.0	.25
16B1F-2SS	7362-51885	1	25.4	1.97	50.0	.40
16B1F-3SS	7362-51865	1	25.4	1.69	43.0	.40
20B1F-1SS	7362-51545	1 1/4	31.8	2.41	61.2	.63
24B1F-2SS	7362-51665	1 1/2	38.1	2.98	75.8	1.07

## Non-Skive Ferrule "B" Series - Continued

Descr.	Prod. No.			L		Weight (Lbs.)
		"	mm	"	mm	
24B1F-4SS	7362-51675	1 1/2	38.1	3.01	76.5	1.34
32B1F-2SS	7362-51705	2	50.8	3.54	90.0	1.73
32B1F-4SS	7362-51725	2	50.8	3.58	91.0	2.01

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

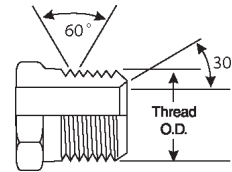
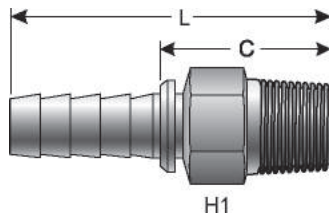
EQUIPMENT AND  
PARTS



NOTES

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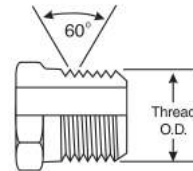
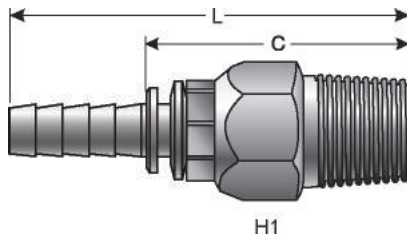
## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
3-2MP	7334-36215	3/16	4.8	1/8-27	1/2	2.03	51.6	.94	23.9	.04
3-4MP	7334-36245	3/16	4.8	1/4-18	9/16	2.22	56.4	1.13	28.7	.06

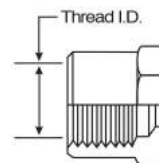
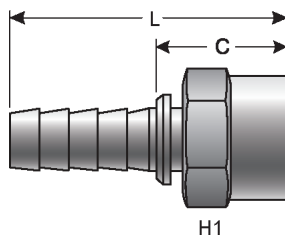
## Male Pipe Swivel (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
3-2MPX	7334-36335	3/16	4.8	1/8-27	1/2	2.40	61.0	1.31	33.3	.06

## Female Pipe (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
3-2FP	7334-36225	3/16	4.8	1/8-27	9/16	1.85	47.0	.76	19.3	.04

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

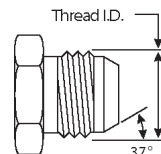
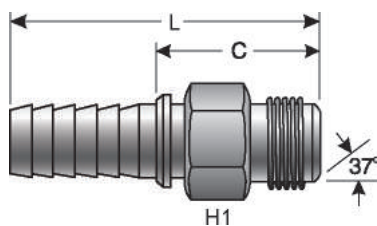
LIVE SWIVEL

BALL VALVES

ACCESSORIES

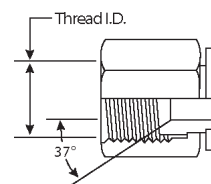
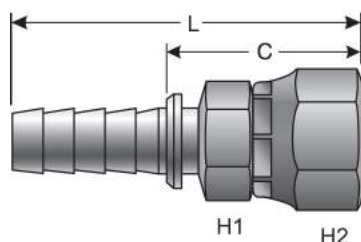
EQUIPMENT AND  
PARTS

## Male JIC 37° Flare



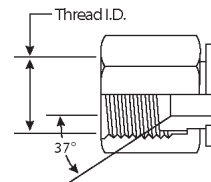
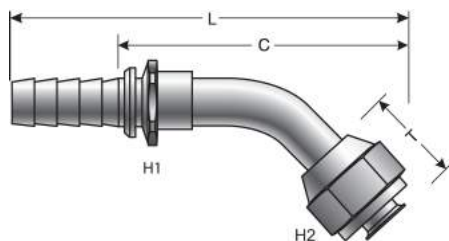
Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	
3-4MJ	7334-36235	3/16	4.8	7/16-20	1/2	2.09	53.1	1.00	25.4	.04

## Female JIC 37° Flare Swivel



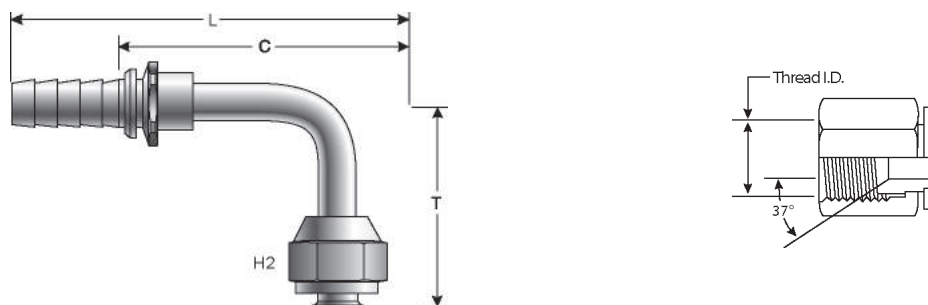
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
3-3FJX	7334-36315	3/16	4.8	3/8-24	1/2	9/16	2.20	55.9	1.11	28.2	.06
3-4FJX	7334-36325	3/16	4.8	7/16-20	1/2	9/16	2.21	56.1	1.12	28.5	.06


## Female JIC 37° Flare Swivel - 45° Bent Tube



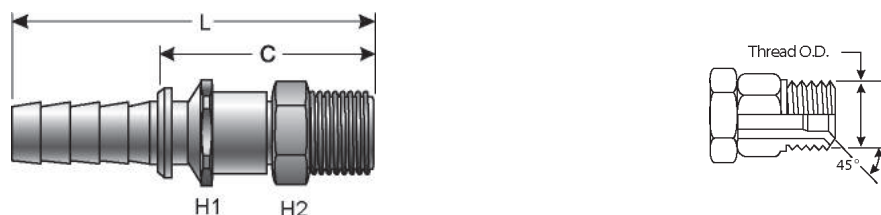
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
3C2-4FJX45S	7303-01005	3/16	4.8	7/16-20	1/2	9/16	2.80	71.1	1.71	43.4	.07


## Female JIC 37° Flare Swivel - 90° Bent Tube



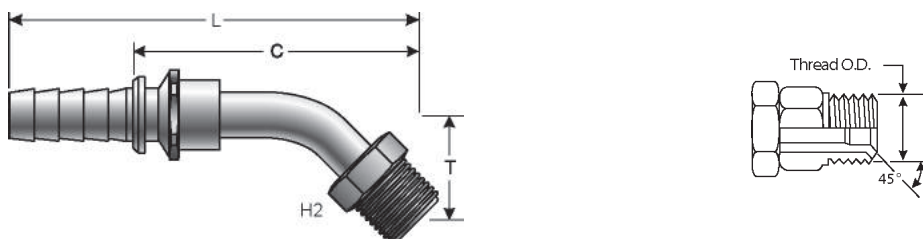
Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
3C2-4FJX90S	7303-01505	3/16	4.8	7/16-20	9/16	.68	17.3	2.54	64.5	1.45	36.8	.09


## SAE Male Inverted Swivel



Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
3C2-3MIX	7303-02995	3/16	4.8	3/8-24	1/2	3/8	2.67	67.8	1.58	40.1	.06

## SAE Male Inverted Swivel - 45° Bent Tube



Descr.	Prod. No.	⌀			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
3C2-3MIX45S	7303-03205	3/16	4.8	3/8-24	3/8	.58	14.7	2.78	70.6	1.69	42.9	.06

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBAL SPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

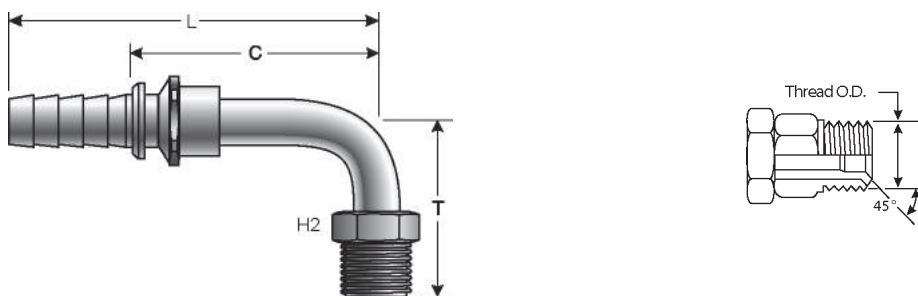
LIVE SWIVEL



BALL VALVES

ACCESSORIES

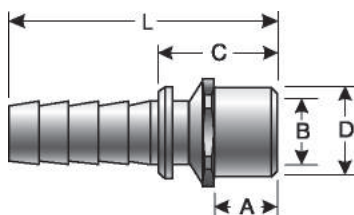
EQUIPMENT AND PARTS

## SAE Male Inverted Swivel - 90° Bent Tube



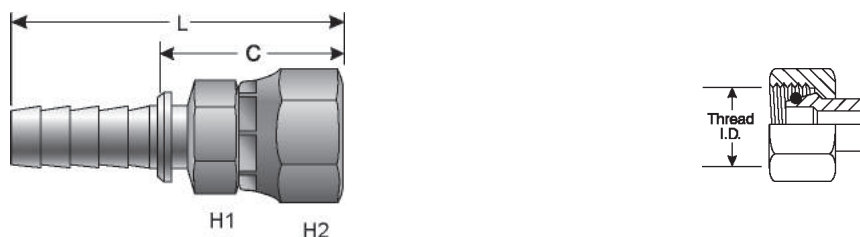
Descr.	Prod. No.				H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	"	mm	
3C2-3MIX90	7303-03495	3/16	4.8	3/8-24	3/8	1.05	26.7	2.42	61.5	1.33	33.8	.06

## Female Braze-On Stems



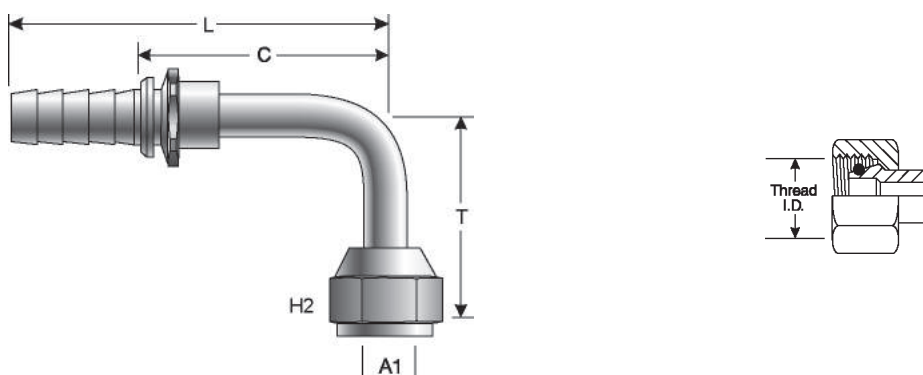
Descr.	Prod. No.	⊖		B	A	D		L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	"	mm	
3-4FBO	7305-09135	3/16	4.8	.25	1/4	.56	14.22	1.76	44.7	.68	17.3	.06
4-4FBO	7305-09145	1/4	6.4	.25	1/4	.56	14.22	1.67	42.4	.58	14.7	.04
4-5FBO	7305-09165	1/4	6.4	.32	3/8	.56	14.22	1.67	42.4	.58	14.7	.04
6-6FBO	7334-36755	3/8	9.5	.38	3/8	.75	19.05	1.72	43.7	.70	17.8	.08
6-8FBO	7305-29165	3/8	9.5	.50	3/8	.88	22.35	1.72	43.7	.70	17.8	.06
8-8FBO	7305-39145	1/2	12.7	.50	3/8	.88	22.35	2.20	55.9	.76	19.3	.11
8-10FBO	7305-39165	1/2	12.7	.63	3/8	.88	22.35	2.20	55.9	.76	19.3	.10
12-12FBO	7305-59145	3/4	19.1	.75	3/8	1.12	28.45	2.47	62.7	.76	19.3	.18
12-16FBO	7305-59165	3/4	19.1	1.01	15/32	1.38	35.05	2.75	69.9	1.04	26.4	.19
16-16FBO	7305-69145	1	25.4	1.01	15/32	1.38	35.05	2.75	69.9	1.04	26.4	.40
20-20FBO	7305-79145	1 1/4	31.8	1.26	3/8	1.81	45.97	3.29	83.6	1.11	28.2	.73
24-24FBO	7305-89145	1 1/2	38.1	1.51	3/8	2.00	50.80	3.75	95.3	1.11	28.2	3.65

## Female DIN 24° Cone Swivel - Light Series



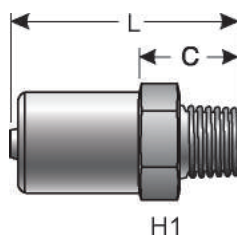
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		⊖	Weight (Lbs.)
		"	mm		mm	mm	"	mm	"	mm	mm	
3C2-6FDLX	7303-08195	3/16	4.8	M12X1.5	14	14	2.20	55.9	1.11	28.2	6.0	.11

## Female DIN 24° Cone Swivel - Light Series - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		A1	Weight (Lbs.)
		"	mm		mm	"	mm	"	mm	"	mm	mm	
3C2-6FDLX90	7303-08205	3/16	4.8	M12X1.5	14	1.26	32.0	2.52	64.0	1.43	36.3	6.0	.10

## Male Special Grease Fitting



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	
3-2MPG	7334-32445	3/16	4.8	1/8-27	9/16	1.34	34.0	.56	14.2	.05
3-2MPGB	7334-37925	3/16	4.8	1/8-27	9/16	1.34	34.0	.78	19.8	.05

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC. GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 &amp; G2 COUPLINGS

FIELD ATTACHABLE C5 &amp; C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

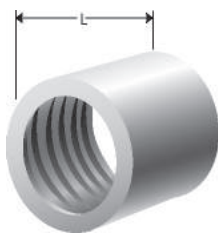
LIVE SWIVEL

BALL VALVES

ACCESSORIES

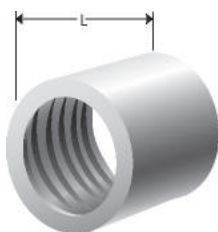
EQUIPMENT AND PARTS

## Power Crimp® Two Ferrules (Steel) - PC2F Series



Descr.	Prod. No.	L		Ø		Weight (Lbs.)
		"	mm	"	mm	
3PC2F-2	7266-00075	1.00	25.4	.76	19.3	.05
4PC2F-2	7266-00345	1.00	25.4	.84	21.3	.05
4PC2F-4	7266-00395	1.20	30.5	.89	22.6	.07
5PC2F-2	7266-00385	1.00	25.4	.87	22.1	.05
6PC2F-2	7266-00335	1.00	25.4	.94	23.9	.05
6PC2F-4	7266-00405	1.20	30.5	1.06	26.9	.09
8PC2F-2	7266-00025	1.25	31.8	1.13	28.7	.11
8PC2F-4	7266-00415	1.47	37.3	1.28	32.5	.17
10PC2F-2B	7266-00465	1.47	37.3	1.32	33.5	.08
10PC2F-2C	7266-08105	1.25	31.8	1.23	31.2	.13
12PC2F-2	7266-00185	1.47	37.3	1.50	38.1	.14
12PC2F-4	7266-00145	1.97	50.0	1.38	35.1	.25
16PC2F-2	7266-00135	1.97	50.0	1.75	44.5	.32
16PC2F-4	7266-00175	2.07	52.6	1.87	47.5	.40
20PC2F-2	7266-00225	2.35	59.7	2.25	57.2	.70
20PC2F-4	7266-00215	2.77	70.4	2.19	55.6	.71
24PC2F-4	7266-00355	2.88	73.2	2.55	64.8	.87
32PC2F-4	7266-00375	3.43	87.1	3.16	80.3	1.59

## Power Crimp® One Non-Skive Ferrules (Steel) - PC1FS Series



Descr.	Prod. No.	L		Ø		Weight (Lbs.)
		"	mm	"	mm	
3PC1FS	7266-07035	1.20	30.5	.83	21.1	.05
4M3KPC	7266-07805	1.20	30.5	.89	22.6	.07
4PC1F-M2S	7266-07635	1.20	30.5	.83	21.1	.05
4PC1FS	7266-07045	1.28	32.5	.87	22.1	.10
5PC1FS	7266-07055	1.20	30.5	.97	24.6	.07
6M3KPC	7266-07815	1.20	30.5	.97	24.6	.07
6PC1F-M2S	7266-07375	1.20	30.5	1.06	26.9	.09
6PC1FS	7266-07065	1.20	30.5	.96	24.4	.09
8M3KPC	7266-07825	1.50	38.1	1.15	29.2	.15
8PC1F-M2S	7266-07395	1.47	37.3	1.20	30.5	.19
8PC1FS	7266-07085	1.47	37.3	1.15	29.2	.10
10PC1F-M2S	7266-07415	1.47	37.3	1.31	33.3	.19



## Power Crimp® One Non-Skive Ferrules (Steel) - PC1FS Series - Continued

Descr.	Prod. No.	L		Ø		Weight (Lbs.)
		"	mm	"	mm	
10PC1FS-M3K	7266-07105	1.49	37.9	1.21	30.7	.13
12PC1F-M2S	7266-07435	1.69	42.9	1.57	39.9	.29
12PC1FS-M3K	7266-07125	1.69	42.9	1.53	38.9	.21
16PC1F-M2S	7266-07475	1.69	42.9	1.94	49.3	.44
16PC1FS	7266-07165	1.69	42.9	1.32	33.5	.34
20PC1FS	7266-07205	2.41	61.2	2.38	60.5	.61
24PC1FS	7266-07245	2.69	68.3	2.69	68.3	.82
32PC1FS	7266-07325	3.56	90.4	3.25	82.6	1.65

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

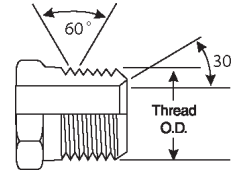
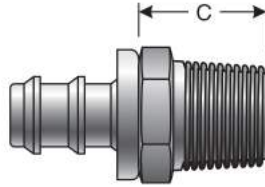
ACCESSORIES

EQUIPMENT AND  
PARTS

NOTES

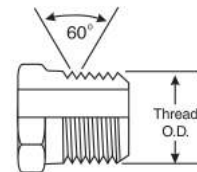
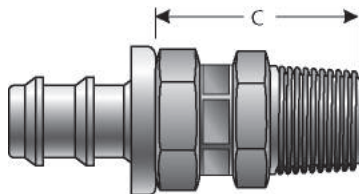
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## Male Pipe With Cone Seat



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-2RMP	7250-04435	1/4	6.4	1/8-27	.56	14.2	.04
4LOC-4RMP	7250-04445	1/4	6.4	1/4-18	.81	20.6	.04
4LOC-6RMP	7250-16065	1/4	6.4	3/8-18	.88	22.4	.05
5LOC-2RMP	7250-04455	5/16	7.9	1/8-27	.81	20.6	.04
5LOC-4RMP	7250-04465	5/16	7.9	1/4-18	.77	19.6	.06
6LOC-2RMP	7250-04475	3/8	9.5	1/8-27	.56	14.2	.06
6LOC-4RMP	7250-04485	3/8	9.5	1/4-18	.81	20.6	.06
6LOC-6RMP	7250-04495	3/8	9.5	3/8-18	.88	22.4	.10
6LOC-8RMP	7250-16075	3/8	9.5	1/2-14	.88	22.4	.01
8LOC-4RMP	7250-16085	1/2	12.7	1/4-18	.81	20.6	.10
8LOC-6RMP	7250-04505	1/2	12.7	3/8-18	.88	22.4	.08
8LOC-8RMP	7250-04515	1/2	12.7	1/2-14	.88	22.4	.14
8LOC-12RMP	7250-16095	1/2	12.7	3/4-14	1.13	28.7	.16
10LOC-6RMP	7250-16105	5/8	15.9	3/8-18	.88	22.4	.20
10LOC-8RMP	7250-04525	5/8	15.9	1/2-14	1.06	26.9	.14
10LOC-12RMP	7250-16115	5/8	15.9	3/4-14	.88	22.4	.20
12LOC-8RMP	7250-16125	3/4	19.1	1/2-14	.88	22.4	.20
12LOC-12RMP	7250-04535	3/4	19.1	3/4-14	1.13	28.7	.20

## Male Pipe Swivel Without Cone Seat



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-4RMPX	7250-16135	1/4	6.4	1/4-18	1.81	46.0	.05
6LOC-6RMPX	7250-16145	3/8	9.5	3/8-18	2.00	50.8	.06
8LOC-8RMPX	7250-16155	1/2	12.7	1/2-14	2.38	60.5	.15
12LOC-12RMPX	7250-16165	3/4	19.1	3/4-14	2.68	68.1	.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

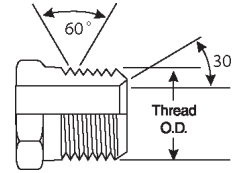
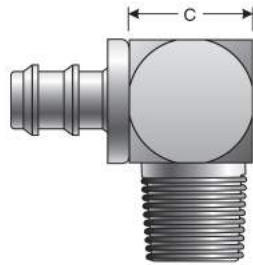
LIVE SWIVEL

BALL VALVES

ACCESSORIES

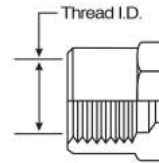
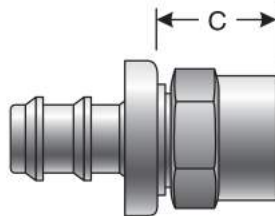
EQUIPMENT AND  
PARTS

## Male Pipe 90° Block With Cone Seat



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-2RMP90	7250-16175	1/4	6.4	1/8-27	.31	7.9	.05
4LOC-4RMP90	7250-16185	1/4	6.4	1/4-18	.38	9.7	.05
5LOC-2RMP90	7250-04555	5/16	7.9	1/8-27	.31	7.9	.06
5LOC-4RMP90	7250-04565	5/16	7.9	1/4-18	.38	9.7	.08
6LOC-2RMP90	7250-04575	3/8	9.5	1/8-27	.38	9.7	.06
6LOC-4RMP90	7250-04585	3/8	9.5	1/4-18	.40	10.2	.08
6LOC-6RMP90	7250-16195	3/8	9.5	3/8-18	.43	10.9	.15
8LOC-8RMP90	7250-16205	1/2	12.7	1/2-14	.50	12.7	.16
12LOC-12RMP90	7250-16215	3/4	19.1	3/4-14	.76	19.3	.28

## Female Pipe Without Cone Seat



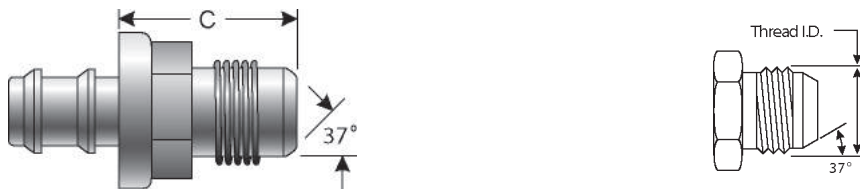
Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-4RFP	7250-04595	1/4	6.4	1/4-18	.50	12.7	.06
5LOC-4RFP	7250-16225	5/16	7.9	1/4-18	.50	12.7	.05
6LOC-6RFP	7250-04605	3/8	9.5	3/8-18	.63	16.0	.08
8LOC-6RFP	7250-16235	1/2	12.7	3/8-18	.63	16.0	.05
8LOC-8RFP	7250-04615	1/2	12.7	1/2-14	.75	19.1	.12
10LOC-8RFP	7250-16245	5/8	15.9	1/2-14	.75	19.1	.12
12LOC-12RFP	7250-16255	3/4	19.1	3/4-14	.93	23.6	.24

## Female Pipe Swivel With Cone Seat



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-2RFPX	7250-16265	1/4	6.4	1/8-27	1.81	46.0	.04
4LOC-4RFPX	7250-16275	1/4	6.4	1/4-18	1.81	46.0	.06
4LOC-6RFPX	7250-16285	1/4	6.4	3/8-18	2.00	50.8	.08
6LOC-4RFPX	7250-16295	3/8	9.5	1/4-18	1.81	46.0	.08
6LOC-6RFPX	7250-16305	3/8	9.5	3/8-18	2.00	50.8	.10
6LOC-8RFPX	7250-16315	3/8	9.5	1/2-14	2.38	60.5	.10
8LOC-8RFPX	7250-16325	1/2	12.7	1/2-14	2.38	60.5	.12
10LOC-12RFPX	7250-16345	3/4	19.1	3/4-14	2.68	68.1	.26
12LOC-12RFPX	7250-16355	3/4	19.1	3/4-14	2.68	68.1	.20

## Male JIC 37° Flare



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-4RMJ	7250-16365	1/4	6.4	7/16-20	.81	20.6	.05
4LOC-5RMJ	7250-16375	1/4	6.4	1/2-20	.94	23.9	.04
4LOC-6RMJ	7250-16385	1/4	6.4	9/16-18	1.00	25.4	.06
6LOC-4RMJ	7250-16395	3/8	9.5	7/16-20	.88	22.4	.05
6LOC-5RMJ	7250-16405	3/8	9.5	1/2-20	.94	23.9	.06
6LOC-6RMJ	7250-16415	3/8	9.5	9/16-18	1.00	25.4	.05
6LOC-8RMJ	7250-16425	3/8	9.5	3/4-16	1.19	30.2	.15
8LOC-8RMJ	7250-16435	1/2	12.7	3/4-16	1.19	30.2	.12
8LOC-10RMJ	7250-16445	1/2	12.7	7/8-14	1.27	32.3	.18
10LOC-8RMJ	7250-16455	5/8	15.9	3/4-16	1.19	30.2	.18
10LOC-10RMJ	7250-16465	5/8	15.9	7/8-14	1.27	32.3	.18
12LOC-10RMJ	7250-16475	3/4	19.1	7/8-14	1.27	32.3	.26
12LOC-12RMJ	7250-16485	3/4	19.1	1 1/16-12	1.33	33.8	.30

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

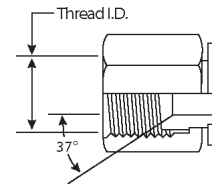
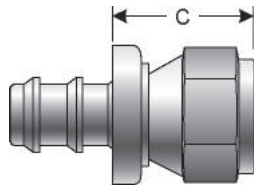
LIVE SWIVEL

BALL VALVES

ACCESSORIES

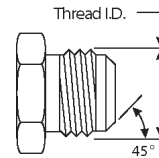
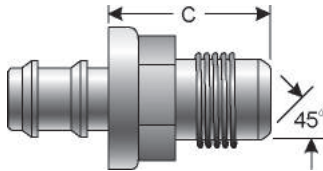
EQUIPMENT AND  
PARTS

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-6RFJX	7250-16495	1/4	6.4	3/8-18	.74	18.8	.05
6LOC-6RFJX	7250-04625	3/8	9.5	9/16-18	.81	20.6	.06
12LOC-12RFJX	7250-04635	3/4	19.1	1 1/16-12	1.09	27.7	.22

## Male SAE 45° Flare



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-4RMS	7250-04645	1/4	6.4	7/16-20	.69	17.5	.04
4LOC-5RMS	7250-04655	1/4	6.4	1/2-20	.38	9.7	.04
4LOC-6RMS	7250-04665	1/4	6.4	5/8-18	.88	22.4	.06
5LOC-5RMS	7250-04675	5/16	7.9	1/2-20	.81	20.6	.06
6LOC-4RMS	7250-16505	3/8	9.5	7/16-20	.69	17.5	.06
6LOC-5RMS	7250-16515	3/8	9.5	1/2-20	.81	20.6	.06
6LOC-6RMS	7250-04685	3/8	9.5	5/8-18	.88	22.4	.08
6LOC-8RMS	7250-16525	3/8	9.5	3/4-16	1.31	33.3	.15
8LOC-8RMS	7250-18285	1/2	12.7	3/4-16	1.13	28.7	.12
8LOC-10RMS	7250-16535	1/2	12.7	7/8-14	1.27	32.3	.18
10LOC-8RMS	7250-16545	5/8	15.9	3/4-16	1.13	28.7	.20
10LOC-10RMS	7250-16555	5/8	15.9	7/8-14	1.27	32.3	.18
12LOC-10RMS	7250-16565	3/4	19.1	7/8-14	1.27	32.3	.26
12LOC-12RMS	7250-16575	3/4	19.1	1 1/16-14	1.83	46.5	.32

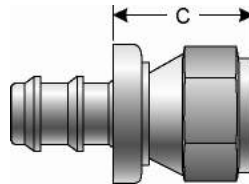
## Female SAE 45° Flare Swivel



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-6RFSX	7250-16585	1/4	6.4	5/8-18	.69	17.5	.06
5LOC-6RFSX*	7250-18295	5/16	7.9	5/8-18	.81	20.6	.07
6LOC-6RFSX	7250-04695	3/8	9.5	5/8-18	.84	21.3	.08
8LOC-6RFSX	7250-16595	1/2	12.7	5/8-18	.84	21.3	.12
12LOC-12RFSX	7250-04705	3/4	19.1	1 1/16-14	1.09	27.7	.22

\*Steel

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel



Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-4RFJSX	7250-04715	1/4	6.4	7/16-20	.75	19.1	.04
4LOC-5RFJSX	7250-04725	1/4	6.4	1/2-20	.78	19.8	.04
5LOC-5RFJSX*	7250-04735	5/16	7.9	1/2-20	.81	20.6	.04
6LOC-5RFJSX	7250-04745	3/8	9.5	1/2-20	.81	20.6	.06
6LOC-8RFJSX	7250-18305	3/8	9.5	3/4-16	.97	24.6	.13
8LOC-8RFJSX	7250-04755	1/2	12.7	3/4-16	.97	24.6	.25
8LOC-10RFJSX	7250-18315	1/2	12.7	7/8-14	1.00	25.4	.13
10LOC-10RFJSX	7250-04765	5/8	15.9	7/8-14	1.00	25.4	.30
12LOC-10RFJSX	7250-04775	3/4	19.1	7/8-14	1.00	25.4	.20

\*Steel

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
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PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

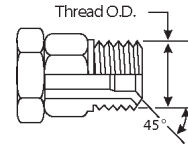
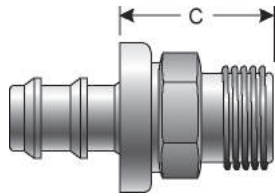
LIVE SWIVEL

BALL VALVES

ACCESSORIES

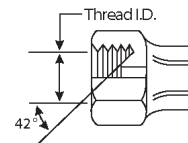
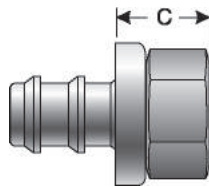
EQUIPMENT AND  
PARTS

## Male SAE Inverted Flare Swivel



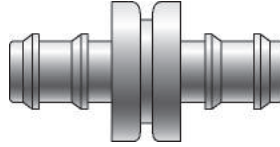
Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-3RMIX	7250-04785	1/4	6.4	3/8-24	.78	19.8	.04
4LOC-4RMIX	7250-04795	1/4	6.4	7/16-24	.78	19.8	.04
4LOC-5RMIX	7250-04805	1/4	6.4	1/2-20	.78	19.8	.04
5LOC-5RMIX	7250-04825	5/16	7.9	1/2-20	.82	20.8	.04
5LOC-6RMIX	7250-04835	5/16	7.9	5/8-18	.86	21.8	.08
6LOC-5RMIX	7250-04845	3/8	9.5	1/2-20	.82	20.8	.06
6LOC-6RMIX	7250-04855	3/8	9.5	5/8-18	.97	24.6	.08
6LOC-8RMIX	7250-16605	3/8	9.5	3/4-18	1.00	25.4	.05
8LOC-6RMIX	7250-16615	1/2	12.7	5/8-18	.97	24.6	.10
8LOC-8RMIX	7250-04865	1/2	12.7	3/4-18	1.00	25.4	.10
10LOC-10RMIX	7250-18325	5/8	15.9	7/8-18	1.00	25.4	.16

## Female SAE Inverted Flare



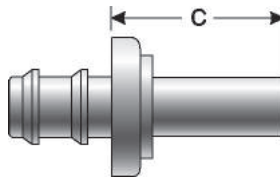
Descr.	Prod. No.	⊖		🌀	C		Weight (Lbs.)
		"	mm		"	mm	
4LOC-3RFI	7250-04875	1/4	6.4	3/8-24	.75	19.1	.02
4LOC-4RFI	7250-04885	1/4	6.4	7/16-24	.75	19.1	.02
4LOC-5RFI	7250-04895	1/4	6.4	1/2-20	.75	19.1	.02
5LOC-5RFI	7250-04905	5/16	7.9	1/2-20	.75	19.1	.04
6LOC-5RFI	7250-04915	3/8	9.5	1/2-20	.75	19.1	.08
6LOC-6RFI	7250-04925	3/8	9.5	5/8-18	.88	22.4	.20
8LOC-8RFI	7250-04935	3/8	9.5	3/4-18	.93	23.6	.08

## Hose Length Extenders



Descr.	Prod. No.	⊖		Weight (Lbs.)
		"	mm	
4LOC-4RHM	7250-04995	1/4	6.4	.04
5LOC-5RHM	7250-05005	5/16	7.9	.04
6LOC-6RHM	7250-05015	3/8	9.5	.06
8LOC-8RHM	7250-05025	1/2	12.7	.08
10LOC-10RHM	7250-18335	5/8	15.9	.17
12LOC-12RHM	7250-18345	3/4	19.1	.16

## North American Stand Pipe



Descr.	Prod. No.	⊖		⊕		C		Weight (Lbs.)
		"	mm	"	mm	"	mm	
4LOC-3RFT	7250-04945	1/4	6.4	3/16	4.8	.75	19.1	.02
4LOC-4RFT	7250-04955	1/4	6.4	1/4	6.4	1.00	25.4	.02
4LOC-5RFT	7250-04965	1/4	6.4	5/16	7.9	1.13	28.7	.06
5LOC-5RFT	7250-04975	5/16	7.9	5/16	7.9	1.13	28.7	.04
6LOC-6RSP	7250-04985	3/8	9.5	3/8	9.5	1.25	31.8	.04
8LOC-8RSP	7250-16625	1/2	12.7	1/2	12.7	1.00	25.4	.05
10LOC-10RSP	7250-16635	5/8	15.9	5/8	16.0	1.00	25.4	.08

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## GLP Couplings

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

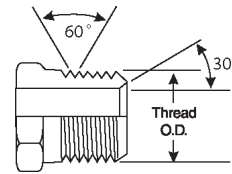
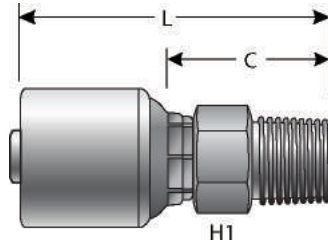
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

### Male Pipe (NPTF - 30° Cone Seat)

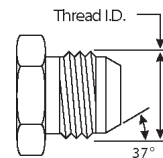
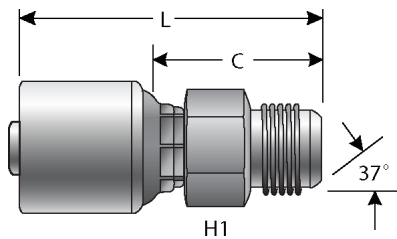
Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	
10GLP1-8MP	7351-02275	5/8	15.9	1/2	15/16	2.40	61.0	1.55	39.4	.22	
12GLP1-12MP	7351-02325	3/4	19.1	3/4	1 1/16	2.64	67.1	1.56	39.6	.30	

### Male JIC 37° Flare

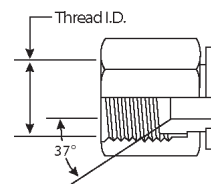
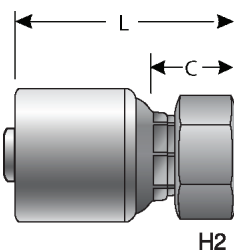
Special GLP Dies Required.



Descr.	Prod. No.	⊖		🌀	H1		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	
4GLP1-4MJ	7351-01045	1/4	6.4	7/16-20	9/16	—	1.81	46.0	1.18	30.0	.06
6GLP1-6MJ	7351-01155	3/8	9.5	9/16-18	11/16	—	1.97	50.0	1.23	31.2	.11
10GLP1-10MJ	7351-01275	5/8	15.9	7/8-14	—	15/16	2.44	62.0	1.59	40.4	.22
12GLP1-12MJ	7351-01325	3/4	19.1	1 1/16-12	1 1/16	—	2.83	71.9	1.75	44.5	.32


### Female JIC 37° Flare Swivel

Special GLP Dies Required.



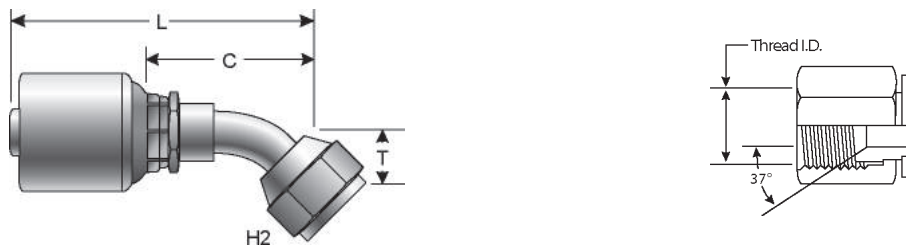
Descr.	Prod. No.	⊖		🌀	H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4GLP1-4FJX	7351-05045	1/4	6.4	7/16-20	9	1.63	41.4	.96	24.4	.06
6GLP1-6FJX	7351-05145	3/8	9.5	9/16-18	11	1.89	48.0	1.10	27.9	.11


## Female JIC 37° Flare Swivel - Continued

Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
8GLP1-8FJX	7351-05205	1/2	12.7	3/4-16	7	2.02	51.3	1.24	31.5	.18
10GLP1-10FJX	7351-05265	5/8	15.9	7/8-14	15	2.27	57.7	1.42	36.1	.24
12GLP1-12FJX	7351-05325	3/4	19.1	1 1/16-12	1	2.56	65.0	1.47	37.3	.33

## Female JIC 37° Flare Swivel - 45° Bent Tube

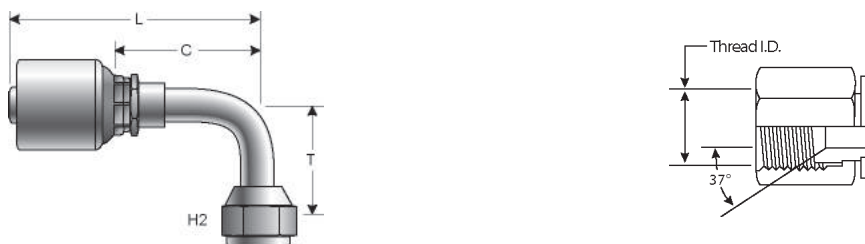
Special GLP Dies Required.




Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4GLP1-4FJX45S	7351-09055	1/4	6.4	7/16-20	14	.39	9.9	2.37	60.2	1.74	44.2	.08
6GLP1-6FJX45S	7351-11235	3/8	9.5	9/16-18	11	.43	10.9	2.96	75.2	2.22	56.4	.14
8GLP1-8FJX45S	7351-09295	1/2	12.7	3/4-16	7	.59	15.0	2.96	75.2	2.17	55.1	.21
10GLP1-10FJX45S	7351-09355	5/8	15.9	7/8-14	15	.63	16.0	3.21	81.5	2.35	59.7	.31
12GLP1-12FJX45S	7351-09425	3/4	19.1	1 1/16-12	1	.83	21.1	3.94	100.1	2.85	72.4	.47

## Female JIC 37° Flare Swivel - 90° Bent Tube

Special GLP Dies Required.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4GLP1-4FJX90L	7351-15065	1/4	6.4	7/16-20	9	1.81	46.0	2.11	53.6	1.48	37.6	.09
4GLP1-4FJX90S	7351-13045	1/4	6.4	7/16-20	14	.83	21.1	2.11	53.6	1.48	37.6	.09
6GLP1-6FJX90S	7351-19205	3/8	9.5	9/16-18	19	.91	23.1	2.84	72.1	2.05	52.1	.16
8GLP1-8FJX90L	7351-15305	1/2	12.7	3/4-16	7	2.52	64.0	2.69	68.3	1.91	48.5	.26
8GLP1-8FJX90S	7351-15285	1/2	12.7	3/4-16	7	1.14	29.0	2.59	65.8	1.80	45.7	.33
12GLP1-12FJX90L	7351-15445	3/4	19.1	1 1/16-12	1	3.78	96.0	3.27	83.1	2.19	55.6	.59
12GLP1-12FJX90S	7351-15465	3/4	19.1	1 1/16-12	1	1.89	48.0	3.78	96.0	2.70	68.6	.52

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

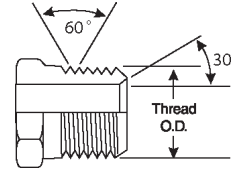
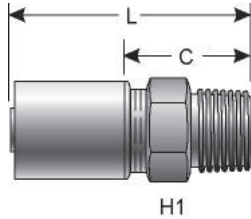
LIVE SWIVEL


BALL VALVES

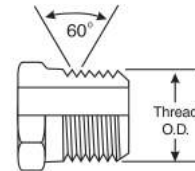
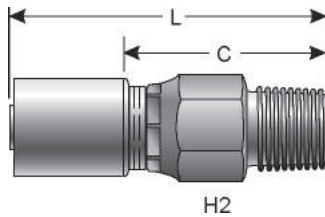
ACCESSORIES


EQUIPMENT AND  
PARTS**Male Pipe (NPTF - 30° Cone Seat)**

Special GL Dies Required.



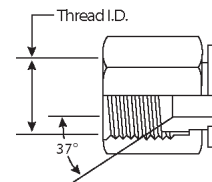
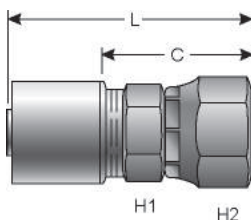
Descr.	Prod. No.	⌀			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
12GL-12MP	7348-00015	3/4	19.1	3/4-14	1 3/4	3.46	87.9	1.46	37.1	.51
12GL-16MP	7348-00025	3/4	19.1	1-11 1/2	1 3/8	1.77	45.0	1.64	41.7	.58
16GL-16MP	7348-00035	1	25.4	1-11 1/2	1 3/8	4.11	104.4	1.88	47.8	.69
20GL-20MP	7348-00045	1 1/4	31.8	1 1/4-11 1/2	1 3/4	2.13	54.1	2.09	53.1	.78
24GL-24MP	7348-00055	1 1/2	38.1	1 1/2-11 1/2	2	4.83	122.7	2.19	55.6	1.78
32GL-32MP	7348-00065	2	50.8	2-11 1/2	2 1/2	5.39	136.9	2.33	59.2	3.04


**Male Pipe Swivel (NPTF - Without 30° Cone Seat)**NOT TO BE USED AS A LIVE SWIVEL.  
Special GL Dies Required.

Descr.	Prod. No.	⌀			H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
16GL-16MPX	7348-00115	1	25.4	1-11 1/2	1 5/8	4.73	120.1	2.50	63.5	.93


**Female JIC 37° Flare Swivel**

Special GL Dies Required.



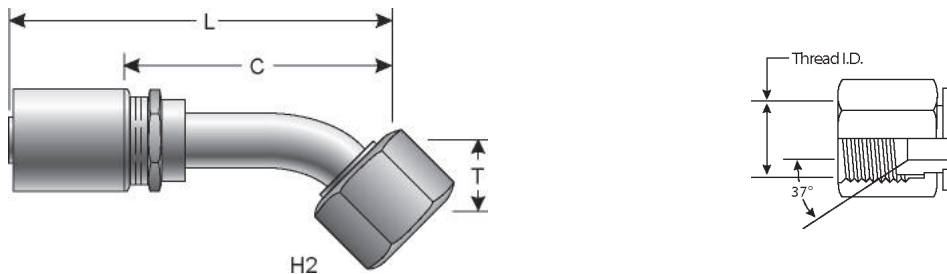
Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
12GL-12FJX	7348-00205	3/4	19.1	1 1/16-12	1 1/16	1 1/4	3.68	93.5	1.67	42.4	.40
12GL-14FJX	7348-00215	3/4	19.1	1 3/16-12	1 1/8	1 3/8	3.65	92.7	1.64	41.7	.42


## Female JIC 37° Flare Swivel - Continued

Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
12GL-16FJX	7348-00225	3/4	19.1	1 5/16-12	1 1/4	1 1/2	3.78	96.0	1.77	45.0	.48
16GL-16FJX	7348-00235	1	25.4	1 5/16-12	1 3/8	1 1/2	4.17	105.9	1.94	49.3	.70
20GL-20FJX	7348-00245	1 1/4	31.8	1 5/8-12	1 3/4	2	4.58	116.3	2.26	57.4	1.32
24GL-20FJX	7348-00195	1 1/2	38.1	1 5/8-12	1 3/4	2	4.84	122.9	2.20	55.9	1.82
24GL-24FJX	7348-00255	1 1/2	38.1	1 7/8-12	2	2 1/4	5.19	131.8	2.55	64.8	2.20
32GL-32FJX	7348-00265	2	50.8	3-12	2 1/2	3 1/2	5.98	151.9	2.92	74.2	2.77
40GL-40FJX	7305-05475	2 1/2	63.5	2 1/2	3	3 1/2	5.36	136.1	2.91	73.9	4.48

## Female JIC 37° Flare Swivel - 45° Bent Tube

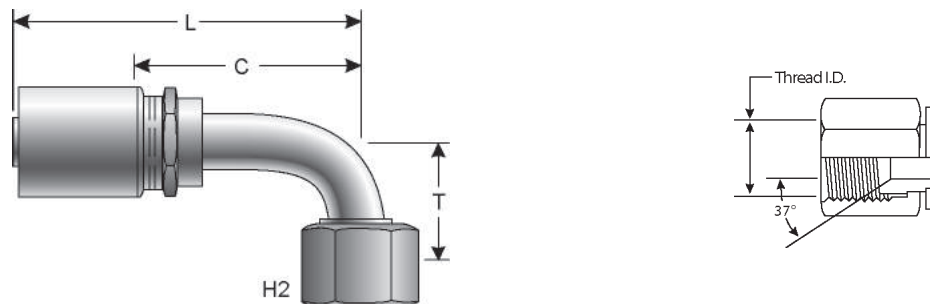
Special GL Dies Required.




Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
12GL-12FJX45S-021	7348-01265	3/4	19.1	1 1/16-12	1 1/4	.83	21.1	4.76	120.9	2.76	70.1	.06

## Female JIC 37° Flare Swivel - 90° Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
12GL-12FJX90S	7348-01385	3/4	19.1	1 1/16-12	1 1/4	1.89	48.0	4.61	117.1	2.60	66.0	.74
16GL-16FJX90S	7348-01485	1	25.4	1 5/16-12	1 1/2	2.20	55.9	5.12	130.1	2.88	73.2	1.30
20GL-20FJX90M	7348-01525	1 1/4	31.8	1 5/8-12	2	3.07	78.0	6.24	158.5	3.91	99.3	.20
24GL-20FJX90L	7348-01595	1 1/2	38.1	1 5/8-12	2	5.08	129.0	5.59	142.0	2.96	75.2	2.43
24GL-20FJX90M	7348-01585	1 1/2	38.1	1 5/8-12	2	3.07	78.0	6.24	158.5	3.91	99.3	2.44
24GL-24FJX90-092	7348-01545	1 1/2	38.1	1 7/8-12	2 1/4	4.05	102.9	7.10	180.3	4.85	123.2	2.85

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

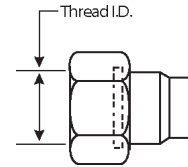
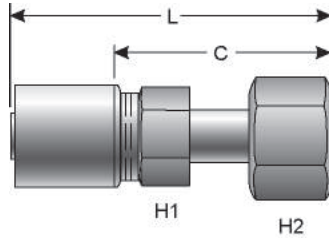
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Female Flat-Face Swivel

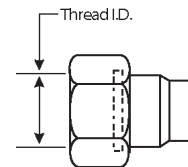
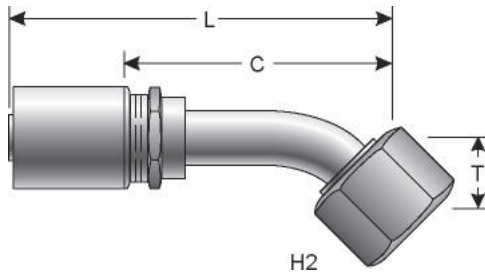
SAE J1453 O-Ring Face Seal.  
Special GL Dies Required.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
12GL-12FFORX	7348-00305	3/4	19.1	1 3/16-12	1 1/16	1 3/8	3.78	96.0	1.77	45.0	.69
16GL-16FFORX	7348-00355	1	25.4	1 7/16-12	1 3/8	1 5/8	4.46	113.3	2.22	56.4	.10
20GL-20FFORX	7348-00365	1 1/4	31.8	1 11/16-12	1 3/4	1 7/8	4.50	114.3	2.18	55.4	.14
24GL-24FFORX	7348-00375	1 1/2	38.1	2-12	1 3/8	2 1/4	3.98	101.1	1.74	44.2	2.39

## Female Flat-Face Swivel - 45° Bent Tube

SAE J1453 O-Ring Face Seal.  
Special GL Dies Required.

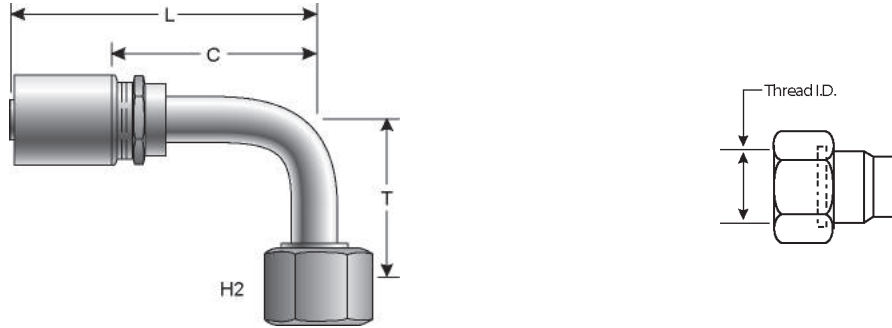


Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
12GL-12FFORX45S	7348-00405	3/4	19.1	1 7/16-12	1 3/8	.83	21.1	4.67	118.6	2.66	67.6	.73
16GL-16FFORX45S	7348-00415	1	25.4	1 7/16-12	1 5/8	.94	23.9	5.08	129.0	2.85	72.4	1.03
20GL-20FFORX45S	7348-00425	1 1/4	31.8	1 11/16-12	1 7/8	.98	24.9	5.81	147.6	3.49	88.7	1.39



## Female Flat-Face Swivel - 90° Bent Tube

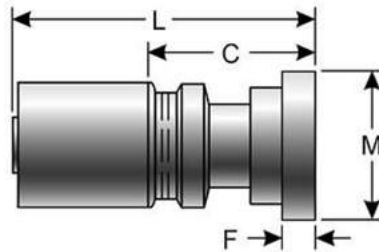
SAE J1453 O-Ring Face Seal.  
Special GL Dies Required.



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
12GL-12FFORX90M	7348-02155	3/4	19.1	1 3/16-12	1 1/4	1.89	48.0	4.61	117.1	2.60	66.0	.73
12GL-12FFORX90S	7348-00455	3/4	19.1	1 3/16-12	1 3/8	1.89	48.0	4.28	108.7	2.28	57.9	.70
16GL-16FFORX90S	7348-00465	1	25.4	1 7/16-12	1 5/8	2.20	55.9	5.11	129.8	2.88	73.2	1.10
20GL-20FFORX90S	7348-00475	1 1/4	31.8	1 11/16-12	1 7/8	2.52	64.0	5.51	140.0	3.19	81.0	1.51
24GL-24FFORX90M	7350-24985	1 1/2	38.1	2-12	2 1/3	3.39	86.1	7.26	184.4	4.62	117.4	3.06

## Code 61 O-Ring Flange

Special GL Dies Required.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL	7348-00505	3/4	19.1	1.50	38.1	3.86	98.1	1.85	47.0	.27	6.9	.57
16GL-16FL	7348-00555	1	25.4	1.75	44.5	3.78	96.0	1.54	39.1	.32	8.1	.08
20GL-20FL	7348-00525	1 1/4	31.8	2.00	50.8	4.43	112.5	2.11	53.6	.32	8.1	1.07
24GL-24FL	7348-00535	1 1/2	38.1	2.38	60.5	4.94	125.5	2.30	58.4	.32	8.1	1.88
32GL-32FL	7348-00545	2	50.8	2.81	71.4	5.61	142.5	2.54	64.5	.38	9.7	3.23
32GL-40FL	7350-25575	2	50.8	3.31	84.1	5.61	142.5	2.55	64.7	.38	9.7	3.23
40GL-40FL	7305-05505	2 1/2	63.5	3.31	84.1	5.66	143.8	3.15	80.0	.38	9.7	3.00
40GL-48FL	7305-05605	2 1/2	63.5	4.00	101.6	5.66	143.8	3.21	81.5	.38	9.7	3.64
40GL-56FL	7305-05705	2 1/2	63.5	4.50	114.3	5.33	135.4	2.77	70.4	.44	11.2	5.20
40GL-64FL	7305-05795	2 1/2	63.5	5.00	127.0	5.33	135.4	2.88	73.2	.44	11.2	5.54
48GL-48FL	7305-05805	3	76.2	4.00	101.6	6.54	166.1	3.46	87.9	.32	8.1	5.10
56GL-56FL	7305-06305	3 1/2	88.9	4.50	114.3	6.70	170.2	3.06	77.7	.32	8.1	6.74
64GL-64FL	7305-06695	4	101.6	5.00	127.0	7.74	196.6	3.70	94.0	.44	11.2	7.29

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

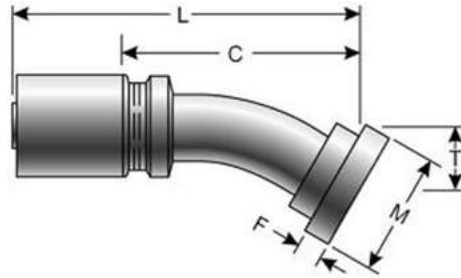
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange - 22° Bent Tube

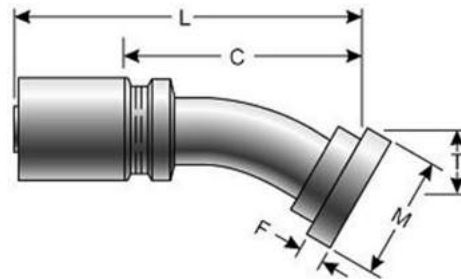
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
24GL-24FL22M-018	7348-00575	1 1/2	38.1	2.38	60.5	.71	18.0	6.39	162.3	3.76	95.5	.32	8.1	.15
40GL-40FL22	7305-05515	2 1/2	63.5	3.31	84.1	.63	16.0	6.81	173.0	4.36	110.7	.38	9.7	2.88
40GL-48FL22	7305-05615	2 1/2	63.5	4.00	101.6	.67	17.0	6.86	174.2	4.41	112.0	.38	9.7	4.16

## Code 61 O-Ring Flange - 30° Bent Tube

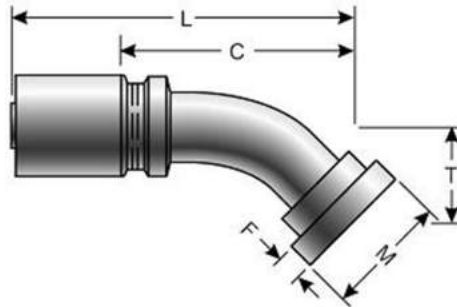
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL30M	7348-00605	3/4	19.1	1.50	38.1	.63	16.0	4.51	114.6	2.50	63.5	.27	6.9	.56
16GL-16FL30M	7348-00615	1	25.4	1.75	44.5	.75	19.1	4.92	125.0	2.69	68.3	.32	8.1	.86
20GL-20FL30M	7348-00625	1 1/4	31.8	2.00	50.8	.87	22.1	5.37	136.4	3.05	77.5	.32	8.1	1.16
24GL-24FL30M	7348-00635	1 1/2	38.1	2.38	60.5	1.18	30.0	6.86	174.2	4.22	107.2	.32	8.1	1.64
32GL-32FL30M	7348-00645	2	50.8	2.81	71.4	1.26	32.0	7.78	197.6	4.72	119.9	.38	9.7	2.88
40GL-40FL30	7305-05525	2 1/2	63.5	3.31	84.1	1.08	27.4	7.30	185.4	4.85	123.2	.38	9.7	3.77
40GL-48FL30	7305-05625	2 1/2	63.5	4.00	101.6	1.08	27.4	7.36	186.9	4.91	124.7	.38	9.7	4.04
48GL-48FL30	7305-05825	3	76.2	4.00	101.6	1.12	28.5	8.23	209.0	5.15	130.8	.38	9.7	5.28

## Code 61 O-Ring Flange - 45° Bent Tube

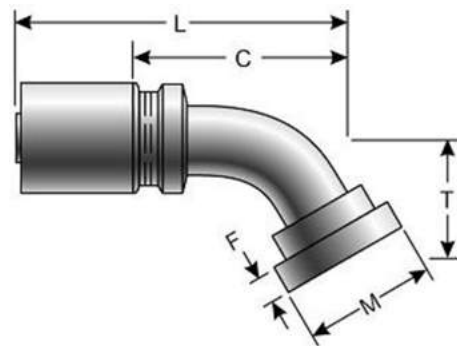
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL45M	7348-00705	3/4	19.1	1.50	38.1	1.02	25.9	4.67	118.6	2.66	67.6	.27	6.9	.58
16GL-16FL45S	7348-00715	1	25.4	1.75	44.5	1.10	27.9	5.11	129.8	2.87	72.9	.32	8.1	.87
20GL-20FL45S	7348-00725	1 1/4	31.8	2.00	50.8	1.26	32.0	5.59	142.0	3.29	83.6	.32	8.1	1.21
24GL-24FL45S	7348-00735	1 1/2	38.1	2.38	60.5	1.50	38.1	6.62	168.2	3.99	101.4	.32	8.1	1.63
32GL-32FL45S	7348-00745	2	50.8	2.81	71.4	2.05	52.1	8.07	205.0	5.00	127.0	.38	9.7	3.06
40GL-40FL45	7305-05535	2 1/2	63.5	3.31	84.1	1.72	43.7	7.72	196.1	5.27	133.9	.38	9.7	3.94
40GL-48FL45	7305-05635	2 1/2	63.5	4.00	101.6	1.76	44.7	7.76	197.1	5.31	134.9	.38	9.7	4.72
48GL-48FL45	7305-05835	3	76.2	4.00	101.6	2.03	51.6	9.18	233.2	6.10	154.9	.38	9.7	5.83
48GL-56FL45	7305-05895	3	76.2	4.50	114.3	2.03	51.6	12.38	314.5	9.30	236.2	.44	11.2	7.04
56GL-56FL45	7305-06335	3 1/2	88.9	4.50	114.3	2.13	54.1	9.66	245.4	6.02	152.9	.44	11.2	8.64
56GL-64FL45	7305-06385	3 1/2	88.9	5.00	127.0	2.13	54.1	9.66	245.4	6.02	152.9	.44	11.2	8.86
64GL-64FL45	7305-06725	4	101.6	5.00	127.0	3.61	91.7	12.70	322.6	8.66	220.0	.44	11.2	12.50

## Code 61 O-Ring Flange - 60° Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL60M	7348-00805	3/4	19.1	1.50	38.1	1.46	37.1	4.61	117.1	2.60	66.0	.27	6.9	.59
16GL-16FL60M	7348-00815	1	25.4	1.75	44.5	1.73	43.9	5.14	130.7	2.90	73.7	.32	8.1	.91
20GL-20FL60S	7348-00825	1 1/4	31.8	2.00	50.8	1.77	45.0	5.67	144.0	3.35	85.1	.32	8.1	1.27
24GL-24FL60S	7348-00835	1 1/2	38.1	2.38	60.5	2.09	53.1	6.63	168.4	3.99	101.4	.32	8.1	1.64
32GL-32FL60S	7348-00845	2	50.8	2.81	71.4	2.95	74.9	8.59	218.2	5.52	140.2	.38	9.7	3.34
40GL-40FL60	7305-05545	2 1/2	63.5	3.31	84.1	2.63	66.8	8.13	206.5	5.68	144.3	.38	9.7	4.24
48GL-48FL60	7305-05845	3	76.2	4.00	101.6	3.11	79.0	9.66	245.4	6.58	167.1	.38	9.7	6.85

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

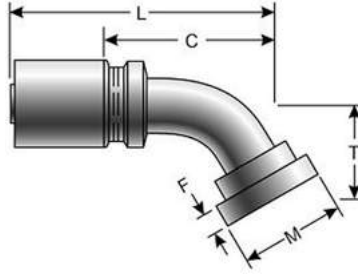
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Code 61 O-Ring Flange - 67 1/2° Bent Tube**

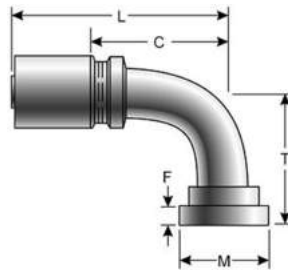
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
32GL-32FL67S	7348-00875	2	50.8	2.81	71.4	3.35	85.1	8.56	217.4	5.49	139.5	.38	9.7	3.98
40GL-40FL67	7305-05555	2 1/2	63.5	3.31	84.1	3.13	79.5	8.22	208.8	5.77	146.6	.38	9.7	4.46
48GL-48FL67	7305-05905	3	76.2	4.00	101.6	3.87	98.3	9.50	241.3	6.42	163.1	.38	9.7	7.28
64GL-64FL67	7305-06635	4	101.6	5.00	127.0	6.90	175.3	14.20	360.7	10.17	258.3	.44	11.2	13.85

**Code 61 O-Ring Flange - 90° Bent Tube**

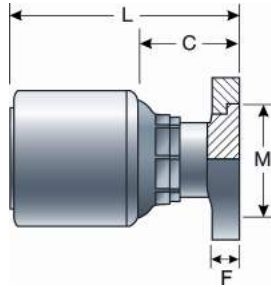
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
12GL-12FL90M	7348-00905	3/4	19.1	1.50	38.1	2.28	57.9	4.40	111.8	2.39	60.7	.27	6.9	.69
12GL-16FL90S	7348-00915	3/4	19.1	1.75	44.5	2.40	61.0	4.40	111.8	2.39	60.7	.32	8.1	.79
16GL-16FL90S	7348-00925	1	25.4	1.75	44.5	2.40	61.0	5.04	128.0	2.81	71.4	.32	8.1	.97
16GL-20FL90S	7348-00935	1	25.4	2.00	50.8	2.68	68.1	5.04	128.0	2.81	71.4	.32	8.1	1.08
20GL-20FL90S	7348-00945	1 1/4	31.8	2.00	50.8	2.68	68.1	5.41	137.4	3.09	78.5	.32	8.1	1.32
20GL-24FL90-068	7348-00955	1 1/4	31.8	2.38	60.5	2.68	68.1	5.41	137.4	3.09	78.5	.32	8.1	1.34
24GL-24FL90S	7348-00965	1 1/2	38.1	2.38	60.5	3.12	79.3	6.26	159.0	3.62	92.0	.32	8.1	2.33
32GL-32FL90S	7348-00975	2	50.8	2.81	71.4	4.50	114.3	8.73	221.7	5.20	132.1	.38	9.7	4.27
32GL-40FL90-114	7348-00775	2	50.8	3.32	84.3	4.50	114.3	8.77	222.8	5.71	145.0	.38	9.7	4.70
40GL-40FL90	7305-05565	2 1/2	63.5	3.31	84.1	4.62	117.4	8.06	204.7	5.61	142.5	.38	9.7	5.18
40GL-48FL90	7305-05665	2 1/2	63.5	4.00	101.6	4.62	117.4	8.12	206.3	5.67	144.0	.38	9.7	5.46
48GL-48FL90	7305-05855	3	76.2	4.00	101.6	5.50	139.7	9.70	246.4	6.62	168.2	.38	9.7	7.55
56GL-56FL90	7305-06365	3 1/2	88.9	4.50	114.3	5.63	143.0	10.17	258.3	6.53	165.9	.38	9.7	7.66
56GL-64FL90	7305-06395	3 1/2	88.9	5.00	127.0	6.90	175.3	10.09	256.3	6.45	163.8	.38	9.7	11.30
64GL-64FL90	7305-06645	4	101.6	5.00	127.0	7.38	187.5	12.61	320.3	8.58	217.9	.38	9.7	15.70

## Code 61 Captive O-Ring Flange

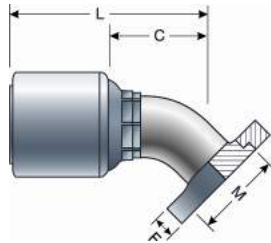
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	
56GL-56FLCF	7348-02705	3 1/2	88.9	4.50	114.3	6.70	170.2	3.06	77.7	.42	.50	5.62
64GL-64FLCF	7348-02755	4	101.6	5.00	127.0	7.74	196.6	3.70	94.0	.44	5.0	7.92

## Code 61 Captive O-Ring Flange - 45° Bent Tube

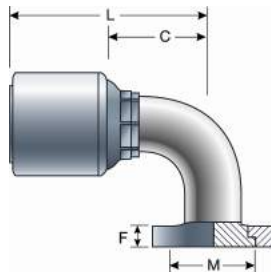
Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
56GL-56FLCF45-054	7348-02715	3 1/2	88.9	4.50	114.3	2.13	54.1	9.67	245.6	6.02	152.9	.42	4.5	7.61

## Code 61 Captive O-Ring Flange - 90° Bent Tube

Special GL Dies Required.



Descr.	Prod. No.	⊖		M		T		L		C		F		Weight (Lbs.)
		"	mm	"	mm	"	mm	"	mm	"	mm	"	mm	
56GL-56FLCF90-143	7348-02725	3 1/2	88.9	4.50	114.3	5.64	143.3	10.20	258.3	6.53	165.9	.42	4.5	7.61

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

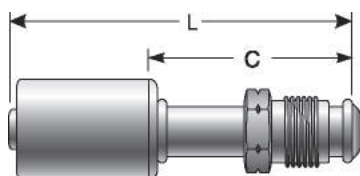
ACCESSORIES



EQUIPMENT AND  
PARTS

NOTES

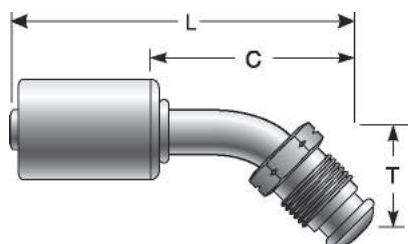
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
## Male SAE 45° Flare - Aluminum



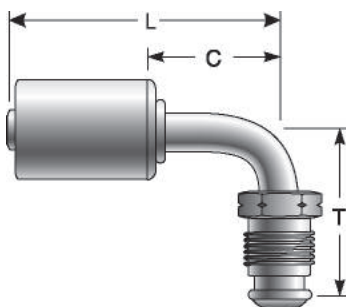
Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MS	7332-00015	5/16	5/8-18	3.38	2.13	.50
8ACA-8MS	7332-00025	13/32	3/4-16	3.50	2.25	.66
10ACA-10MS	7332-00035	1/2	7/8-14	3.81	2.56	.50
12ACA-12MS	7332-00045	5/8	1 1/16-14	4.00	2.75	.20



## Male SAE 45° Flare - 45° Bent Tube - Aluminum



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MS45	7332-00055	5/16	5/8-18	.94	3.25	2.00	.08
8ACA-8MS45	7332-00065	13/32	3/4-16	1.06	3.50	2.25	.10
10ACA-10MS45	7332-00075	1/2	7/8-14	1.12	3.87	2.62	.16
12ACA-12MS45	7332-00085	5/8	1 1/16-14	1.25	4.25	3.00	.22

## Male SAE 45° Flare - 90° Bent Tube - Aluminum



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MS90	7332-00095	5/16	5/8-18	1.75	2.56	1.31	.10
8ACA-8MS90	7332-00105	13/32	3/4-16	1.81	2.75	1.50	.10

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

**POLARSEAL  
COUPLINGS**

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL



BALL VALVES

ACCESSORIES

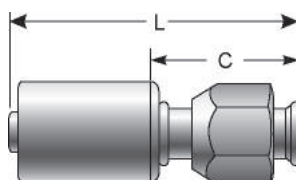
EQUIPMENT AND  
PARTS





## Male SAE 45° Flare - 90° Bent Tube - Aluminum - Continued

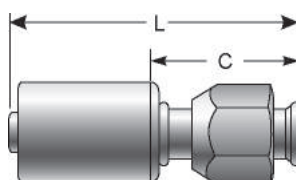
Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
10ACA-10MS90	7332-00115	1/2	7/8-14	2.19	3.00	1.75	.16
12ACA-12MS90	7332-00125	5/8	1 1/16-14	2.45	3.25	2.00	.24



## Female SAE 45° Flare Swivel - Aluminum



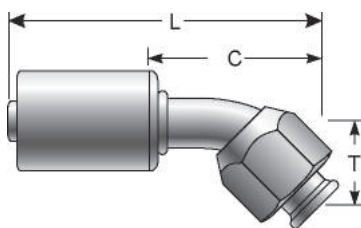
Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FSX	7332-00135	5/16	5/8-18	2.88	1.63	.08
6ACA-8FSX	7332-00145	5/16	3/4-16	2.69	1.44	.12
8ACA-6FSX	7332-02825	13/32	5/8-18	2.69	1.44	.10
8ACA-8FSX	7332-00155	13/32	3/4-16	2.69	1.44	.10
10ACA-8FSX	7332-02835	1/2	3/4-16	3.00	1.75	.15
10ACA-10FSX	7332-00165	1/2	7/8-14	3.00	1.75	.20
12ACA-10FSX	7332-00175	5/8	7/8-14	3.25	2.00	.20
12ACA-12FSX	7332-00185	5/8	1 1/16-14	3.25	2.00	.28



## Female SAE 45° Flare Swivel - Steel



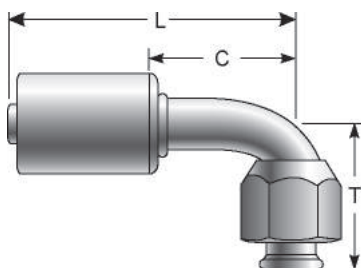
Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FSX-S	7332-01755	5/16	5/8-18	2.88	1.60	.12
8ACA-8FSX-S	7332-01765	13/32	3/4-16	2.69	1.44	.18
10ACA-10FSX-S	7332-01775	1/2	7/8-14	3.00	1.75	.26



## Female SAE 45° Flare Swivel - 45° Bent Tube - Aluminum



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FSX45	7332-00195	5/16	5/8-18	.56	2.87	1.62	.10
8ACA-6FSX45	7332-02855	13/32	5/8-18	.63	3.04	1.79	.10
8ACA-8FSX45	7332-00205	13/32	3/4-16	.63	3.07	1.82	.12
10ACA-10FSX45	7332-00215	1/2	7/8-14	.88	3.63	2.38	.20
12ACA-10FSX45	7332-02875	5/8	7/8-14	1.00	3.97	2.72	.25
12ACA-12FSX45	7332-00225	5/8	1 1/16-14	1.00	4.00	2.75	.28

## Female SAE 45° Flare Swivel - 90° Bent Tube - Aluminum



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FSX90	7332-00235	5/16	5/8-18	1.06	2.56	1.31	.10
6ACA-8FSX90	7332-00245	5/16	3/4-16	1.25	2.75	1.50	.12
8ACA-6FSX90	7332-02885	13/32	5/8-18	1.25	2.75	1.50	.10
8ACA-8FSX90	7332-00255	13/32	3/4-16	1.25	2.75	1.50	.14
10ACA-8FSX90	7332-02895	1/2	3/4-16	1.50	3.00	1.75	.15
10ACA-10FSX90	7332-00265	1/2	7/8-14	1.50	3.00	1.75	.18
12ACA-10FSX90	7332-00275	5/8	7/8-14	1.50	3.25	2.00	.22
12ACA-12FSX90	7332-00285	5/8	1 1/16-14	1.50	3.85	2.00	.28

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

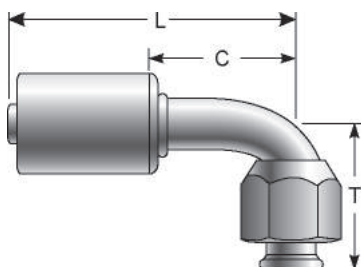
LIVE SWIVEL



BALL VALVES

ACCESSORIES

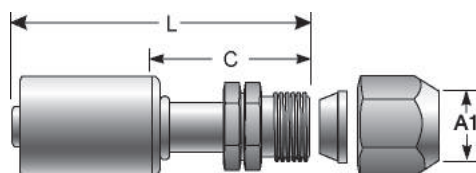
EQUIPMENT AND  
PARTS



## Female SAE 45° Flare Swivel - 90° Bent Tube - Steel



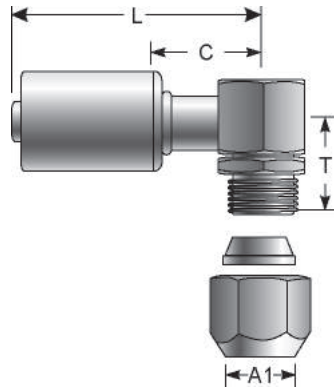
Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FSX90-S	7332-01785	5/16	5/8-18	1.06	2.56	1.31	.12
8ACA-8FSX90-S	7332-01795	13/32	3/4-16	1.25	2.75	1.50	.22
10ACA-10FSX90-S	7332-01805	1/2	7/8-14	1.50	3.00	1.75	.30



## Male SAE Flareless Assembly - Aluminum



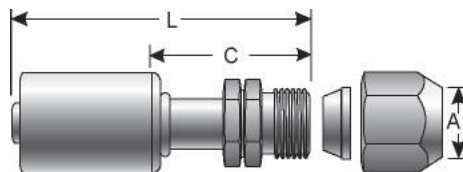
Descr.	Prod. No.			A1	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MFA	7332-00295	5/16	5/8-18	3/8	2.69	1.44	.16
6ACA-8MFA	7332-02905	5/16	3/4-16	1/2	2.81	1.56	.20
8ACA-6MFA	7332-02915	13/32	5/8-18	3/8	2.75	1.50	.20
8ACA-8MFA	7332-00305	13/32	3/4-16	1/2	2.88	1.63	.22
8ACA-10MFA	7332-00315	13/32	7/8-14	5/8	3.00	1.75	.34
10ACA-8MFA	7332-00325	1/2	3/4-16	1/2	2.94	1.69	.22
10ACA-10MFA	7332-00335	1/2	7/8-14	5/8	3.00	1.75	.32
12ACA-10MFA	7332-00345	5/8	7/8-14	5/8	3.13	1.88	.50
12ACA-12MFA	7332-00355	5/8	1 1/16-12	3/4	3.25	2.00	.50



## Male SAE Flareless Assembly - 90° Block - Aluminum



Descr.	Prod. No.			A1	T	L	C	Weight (Lbs.)
		"	"	"	"	"	"	
6ACA-6MFA90	7332-00365	5/16	5/8-18	3/8	.78	2.24	.99	.18
6ACA-8MFA90	7332-02925	5/16	3/4-16	1/2	.96	2.31	1.06	.20
8ACA-6MFA90	7332-02935	13/32	5/8-18	3/8	.78	2.28	1.03	.20
8ACA-8MFA90	7332-00375	13/32	3/4-16	1/2	.96	2.37	1.12	.26
8ACA-10MFA90	7332-00385	13/32	7/8-14	5/8	1.08	2.43	1.18	.28
10ACA-8MFA90	7332-00395	1/2	3/4-16	1/2	.96	2.38	1.13	.28
10ACA-10MFA90	7332-00405	1/2	7/8-14	5/8	1.08	2.44	1.19	.38
12ACA-10MFA90	7332-00415	5/8	7/8-14	5/8	1.08	2.56	1.31	.28
12ACA-12MFA90	7332-00425	5/8	1 1/16-12	3/4	1.19	2.66	1.41	.58

## Male Metric Flareless Assembly - Aluminum



Descr.	Prod. No.			A1	L	C	Weight (Lbs.)
		"	"	mm	"	"	
6ACA-8MMFA	7332-01025	5/16	5/8-18	8.0	2.77	1.52	.14
8ACA-12MMFA	7332-01035	13/32	3/4-16	12.0	3.00	1.75	.22
10ACA-14.5MMFA	7332-01045	1/2	7/8-14	14.5	3.12	1.87	.34

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

**POLARSEAL  
COUPLINGS**

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

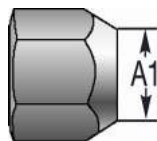
LIVE SWIVEL


BALL VALVES

ACCESSORIES

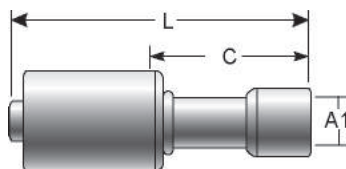
EQUIPMENT AND  
PARTS


## Female Flareless Nut - Aluminum



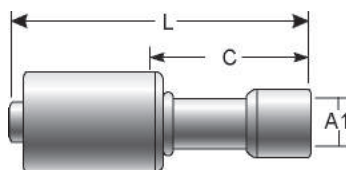
Descr.	Prod. No.		A1	Weight (Lbs.)
		"	"	
8ACFFN	7332-04145	3/4-16	1/2	.05


## Female Braze-On Stems - Aluminum



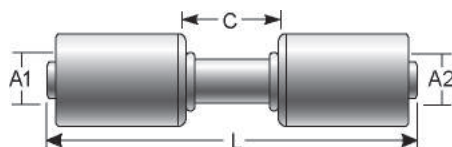
Descr.	Prod. No.		A1	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FBO	7332-02945	5/16	3/8	2.10	.85	.05
8ACA-8FBO	7332-02955	13/32	1/2	2.10	.85	.05
10ACA-10FBO	7332-02965	1/2	5/8	2.10	.85	.10
12ACA-10FBO	7332-02975	5/8	5/8	2.10	.85	.10
12ACA-12FBO	7332-02985	5/8	3/4	2.10	.85	.10


## Female Braze-On Stems - Steel



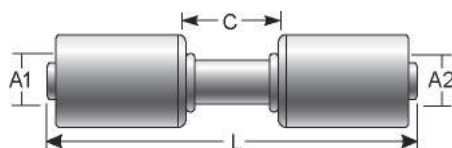
Descr.	Prod. No.		A1	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FBO-S	7332-01905	5/16	3/8	2.10	.85	.06
8ACA-8FBO-S	7332-01915	13/32	1/2	2.10	.85	.08
10ACA-10FBO-S	7332-01925	1/2	5/8	2.10	.85	.10
12ACA-10FBO-S	7332-01945	5/8	5/8	2.10	.85	.12
12ACA-12FBO-S	7332-01935	5/8	3/4	2.10	.85	.12


## Hose Length Extender - Aluminum



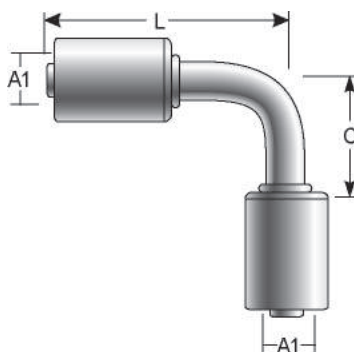
Descr.	Prod. No.		A1	A2	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6HLE	7332-01385	5/16	5/16	5/16	4.00	1.50	.08
6ACA-8HLE	7332-01395	5/16	5/16	13/32	4.00	1.50	.10
8ACA-8HLE	7332-01405	13/32	13/32	13/32	4.00	1.50	.12
8ACA-10HLE	7332-01415	13/32	13/32	1/2	4.13	1.63	.12
10ACA-10HLE	7332-01425	1/2	1/2	1/2	4.13	1.63	.14
12ACA-10HLE	7332-02995	5/8	5/8	1/2	4.25	1.75	.15
12ACA-12HLE	7332-01435	5/8	5/8	5/8	4.25	1.75	.16


## Hose Length Extender - Steel



Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
12ACA-10HLE-S	7332-04485	5/8	1.75	5.27	.28

## Hose Length Extender - 90° Bent Tube - Aluminum



Descr.	Prod. No.		A1	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6HLE90	7332-01445	5/16	5/16	2.50	1.25	.08
8ACA-8HLE90	7332-01455	13/32	13/32	2.62	1.37	.12
10ACA-10HLE90	7332-01465	1/2	1/2	2.88	1.63	.14
12ACA-12HLE90	7332-01475	5/8	5/8	3.25	2.00	.18

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

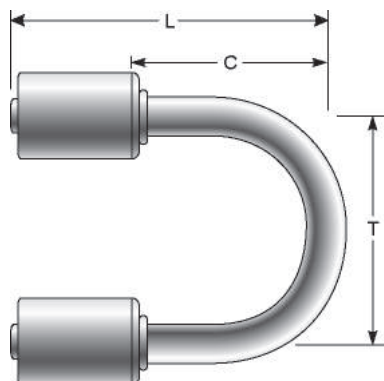
LIVE SWIVEL


BALL VALVES

ACCESSORIES

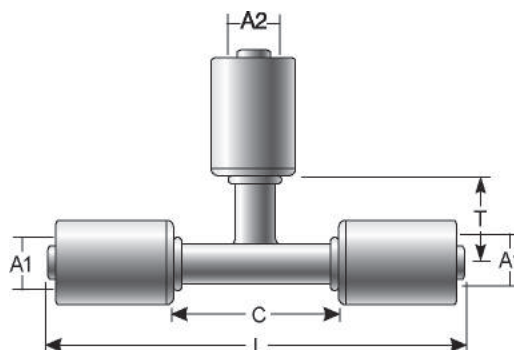
EQUIPMENT AND  
PARTS


## Hose Length Extender - 180° Bent Tube - Aluminum



Descr.	Prod. No.		T	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6HLE180	7332-02255	5/16	3.00	3.88	2.63	.18
8ACA-8HLE180	7332-02265	13/32	3.00	4.00	2.75	.14
10ACA-10HLE180	7332-02275	1/2	3.00	4.13	2.88	.20
12ACA-12HLE180	7332-02285	5/8	3.00	4.50	3.25	.22

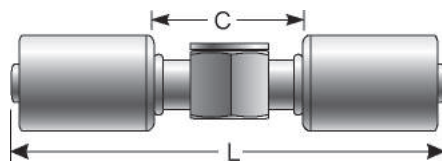
## Hose Length Extender - Tee - Aluminum




Descr.	Prod. No.		A1	A2	T	L	C	Weight (Lbs.)
		"	"	"	"	"	"	
6ACA-6HLET	7332-02295	5/16	5/16	5/16	1.13	4.75	2.25	.15
8ACA-8HLET	7332-02305	13/32	13/32	13/32	1.19	4.88	2.38	.18
10ACA-10HLET	7332-02315	1/2	1/2	1/2	1.25	5.00	2.50	.20
12ACA-10HLET	7332-03015	5/8	5/8	1/2	1.34	5.25	2.75	.25
12ACA-12HLET	7332-02325	5/8	5/8	5/8	1.37	5.25	2.75	.24



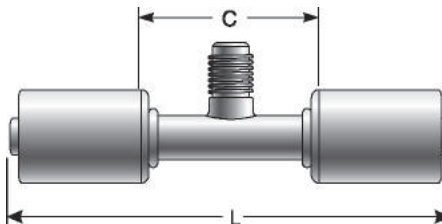
## Hose Length Extender with Sight Glass - Aluminum




Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
6ACA-6HLESG	7332-01485	5/16	4.12	1.62	.22

## Hose Splicer with R12 Thread Service Port - Aluminum

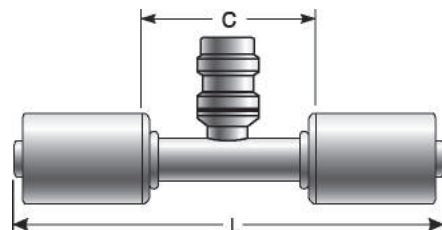
Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve  
Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve




Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
6ACA-R12SP	7332-01135	5/16	4.50	2.00	.10
8ACA-R12SP	7332-01145	13/32	4.50	2.00	.14
10ACA-R12SP	7332-01155	1/2	4.63	2.13	.60
12ACA-R12SP	7332-01165	5/8	4.75	2.25	.18

## Hose Splicer with R134a Service Port - Aluminum

Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve  
Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve



Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
6ACA-R134SP	7332-01175	5/16	4.50	2.00	.12
8ACA-R134SP	7332-01185	13/32	4.50	2.00	.14
10ACA-R134SP	7332-01195	1/2	4.63	2.13	.50
12ACA-R134SP	7332-01205	5/8	4.75	2.25	.18

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

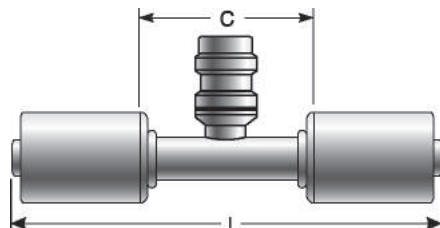
LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

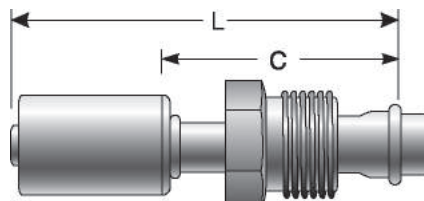
## Hose Splicer with R134a Service Port - Steel



Pressure Ports: High Side; 6-8 Hose  
Pressure Ports: Low Side; 10-12 Hose


Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
6ACA-R134SP-S	7332-01955	5/16	4.50	2.00	.18
8ACA-R134SP-S	7332-01965	13/32	4.50	2.00	.24
10ACA-R134SP-S	7332-01975	1/2	4.63	2.13	.26
12ACA-R134SP-S	7332-03005	5/8	4.75	2.25	.30

## Male SAE Tube O-Ring Nut Swivel - Aluminum

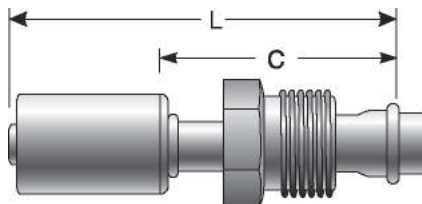
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MTON	7332-00435	5/16	5/8-18	3.19	1.94	.50
6ACA-7MTON	7332-02115	5/16	11/16-16	3.00	1.75	.10
6ACA-8MTON	7332-03065	5/16	3/4-18	3.25	2.00	.10
8ACA-6MTON	7332-03075	13/32	5/8-18	3.25	2.00	.10
8ACA-8MTON	7332-00445	13/32	3/4-18	3.25	2.00	.12
10ACA-10MTON	7332-00455	1/2	7/8-18	3.38	2.13	.14
12ACA-10MTON	7332-03085	5/8	7/8-18	3.88	2.63	.15
12ACA-12MTON	7332-00465	5/8	1 1/16-12	3.88	2.63	.22

## Male SAE Tube O-Ring Nut Swivel - Steel

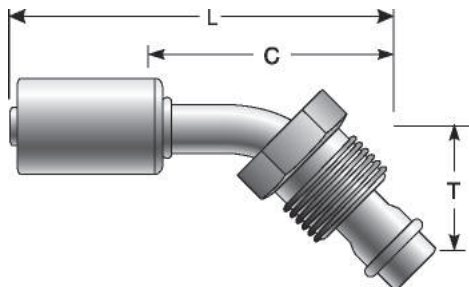
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MTON-S	7332-01285	5/16	5/8-18	3.19	1.94	.10
6ACA-7MTON-S	7332-02125	5/16	11/16-16	3.00	1.75	.12
10ACA-10MTON-S	7332-01865	1/2	7/8-18	3.38	2.13	.20

## Male SAE Tube O-Ring Nut - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MTON45	7332-00475	5/16	5/8-18	.88	3.19	1.94	.10
6ACA-8MTON45	7332-03095	5/16	3/4-18	1.00	3.47	2.22	.10
8ACA-6MTON45	7332-03105	13/32	5/8-18	1.00	3.47	2.22	.10
8ACA-8MTON45	7332-00485	13/32	3/4-18	1.00	3.44	2.19	.12
10ACA-10MTON45	7332-00495	1/2	7/8-18	1.06	3.81	2.56	.16
12ACA-12MTON45	7332-00505	5/8	1 1/16-12	1.19	4.19	2.94	.22

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

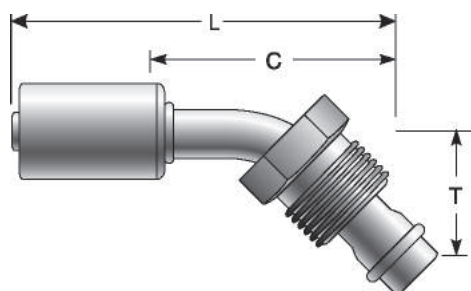
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

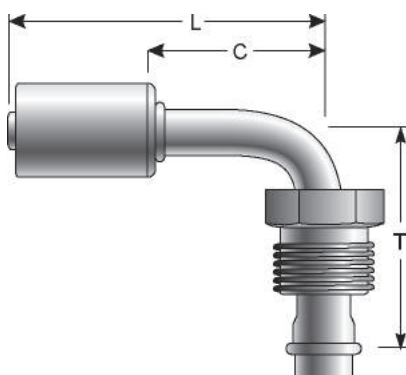
## Male SAE Tube O-Ring Nut - 45° Bent Tube - Steel



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MTON45S	7332-04415	5/16	5/8-18	.88	1.69	4.03	.11
10ACA-10MTON45-S	7332-04425	1/2	7/8-18	1.06	2.31	4.63	.22

## Male SAE Tube O-Ring Nut - 90° Bent Tube - Aluminum

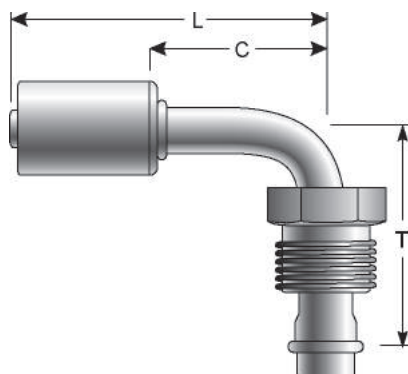
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MTON90	7332-00515	5/16	5/8-18	1.63	2.56	1.31	.08
6ACA-7MTON90	7332-03115	5/16	11/16-16	1.56	2.56	1.31	.10
6ACA-8MTON90	7332-03125	5/16	3/4-18	1.88	2.75	1.50	.10
8ACA-6MTON90	7332-03135	13/32	5/8-18	1.88	2.75	1.50	.10
8ACA-8MTON90	7332-00525	13/32	3/4-18	1.88	2.75	1.50	.20
10ACA-10MTON90	7332-00535	1/2	7/8-18	2.12	3.00	1.75	.16
12ACA-10MTON90	7332-03145	5/8	7/8-18	2.25	3.25	2.00	.20
12ACA-12MTON90	7332-00545	5/8	1 1/16-12	2.25	3.25	2.00	.14

## Male SAE Tube O-Ring Nut - 90° Bent Tube - Steel

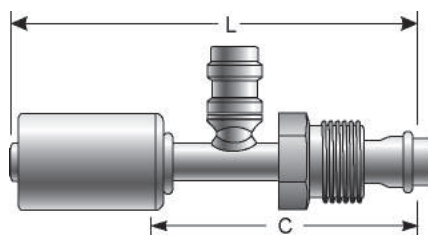
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"				
6ACA-6MTON90S	7332-01295	5/16	5/8-18	1.63	2.56	1.31	.16
8ACA-8MTON90-S	7332-04435	13/32	3/4-16	1.88	1.25	4.73	.24
10ACA-10MTON90-S	7332-01875	1/2	7/8-18	2.12	3.00	1.75	.24

## Male SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"			
6ACA-6MTON134SP	7332-03025	5/16	5/8-18	3.35	2.10	.15
8ACA-8MTON134SP	7332-03035	13/32	3/4-18	3.35	2.10	.15
10ACA-10MTON134SP	7332-03045	1/2	7/8-18	3.59	2.34	.20
12ACA-12MTON134SP	7332-03055	5/8	1 1/16-12	3.72	2.47	.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

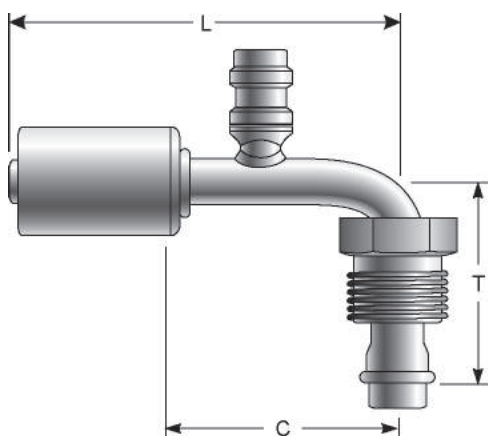
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum

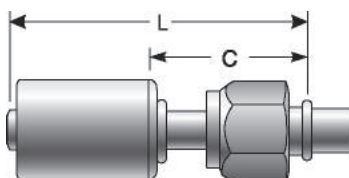
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
10ACA-10MTON134SP90	7332-02585	1/2	7/8-18	1.50	3.85	2.60	.20

## Female SAE Tube O-Ring Nut Swivel - Aluminum

O-Ring not included. Must be ordered separately.



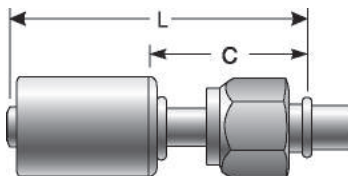
Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-5FTON* **	7332-00635	5/16	9/16-18	2.81	1.56	.10
6ACA-6FTON	7332-00645	5/16	5/8-18	2.88	1.63	.10
6ACA-8FTON	7332-00655	5/16	3/4-16	3.00	1.75	.12
8ACA-6FTON	7332-03165	13/32	5/8-18	3.00	1.75	.10
8ACA-8FTON	7332-00665	13/32	3/4-16	3.00	1.75	.10
10ACA-8FTON	7332-01505	1/2	3/4-16	3.19	1.94	.16
10ACA-10FTON	7332-00675	1/2	7/8-14	3.19	1.94	.20
10ACA-12FTON	7332-01515	1/2	1 1/16-14	3.31	2.06	.28
12ACA-10FTON	7332-00685	5/8	7/8-14	3.31	2.06	.24
12ACA-12FTON	7332-00695	5/8	1 1/16-14	3.31	2.06	.30



\*Standard and Metric threads are equivalent for 6ACA-5FTON.

\*\*Used on Toyota Receivers and Dryers.

## Female SAE Tube O-Ring Nut Swivel - Steel

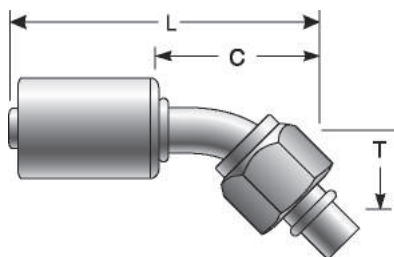
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FTON-S	7332-01275	5/16	5/8-18	2.88	1.63	.12
8ACA-8FTON-S	7332-01645	13/32	3/4-16	3.00	1.75	.12
10ACA-10FTON-S	7332-01655	1/2	7/8-14	3.19	1.94	.28
12ACA-10FTON-S	7332-01815	5/8	7/8-14	3.31	2.06	.30
12ACA-12FTON-S	7332-03175	5/8	1 1/16-14	3.31	2.06	.30

## Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FTON45	7332-00705	5/16	5/8-18	.56	2.87	1.52	.10
8ACA-6FTON45	7332-03185	13/32	5/8-18	.63	3.04	1.79	.10
8ACA-8FTON45	7332-00715	13/32	3/4-16	.63	3.07	1.82	.12
10ACA-8FTON45	7332-03195	1/2	3/4-16	.88	3.60	2.35	.15
10ACA-10FTON45	7332-00725	1/2	7/8-14	.88	3.63	2.38	.22
12ACA-10FTON45	7332-03205	5/8	7/8-14	.94	3.91	2.66	.25
12ACA-12FTON45	7332-00735	5/8	1 1/16-14	.94	3.94	2.69	.30

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

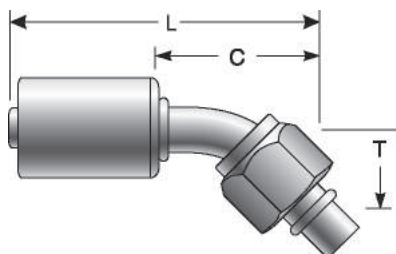
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## Female SAE Tube O-Ring Nut Swivel - 45° Bent Tube - Steel

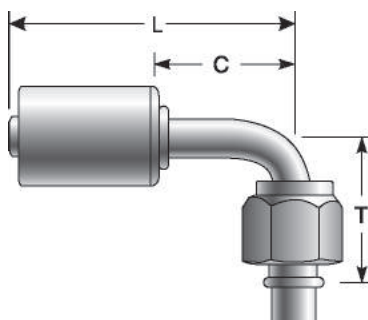
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FTON45-S	7332-01665	5/16	5/8-18	.56	2.87	1.52	.14
8ACA-8FTON45-S	7332-02055	13/32	3/4-16	.63	3.07	1.82	.20
10ACA-10FTON45-S	7332-01675	1/2	7/8-14	.88	3.63	2.38	.30

## Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.

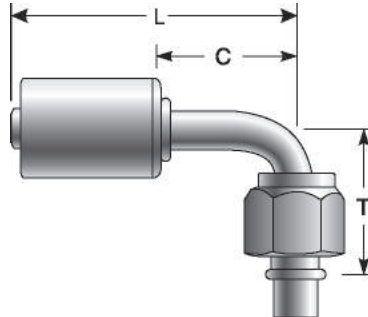




Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-5FTON90*	7332-00745	5/16	9/16-18	1.12	2.75	1.63	.10
6ACA-6FTON90	7332-00755	5/16	5/8-18	1.12	2.56	1.31	.10
6ACA-8FTON90	7332-00765	5/16	3/4-16	1.31	2.75	1.50	.12
8ACA-6FTON90	7332-03155	13/32	5/8-18	1.31	2.75	1.50	.10
8ACA-8FTON90	7332-00775	13/32	3/4-16	1.31	2.75	1.50	.14
10ACA-8FTON90	7332-01545	1/2	3/4-16	1.50	3.00	1.75	.14
10ACA-10FTON90	7332-00785	1/2	7/8-14	1.50	3.00	1.75	.20
10ACA-12FTON90	7332-01555	1/2	1 1/16-14	1.75	3.25	2.00	.28
12ACA-10FTON90	7332-00795	5/8	7/8-14	1.75	3.25	2.00	.24
12ACA-12FTON90	7332-00805	5/8	1 1/16-14	1.75	3.25	2.00	.32

\*Used on Toyota Receivers and Dryers.

## Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel

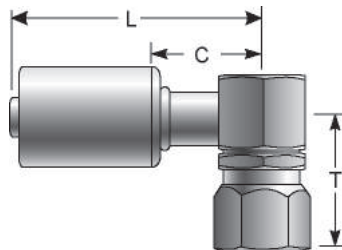
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FTON90-S	7332-01305	5/16	5/8-18	1.12	2.56	1.31	.14
8ACA-8FTON90-S	7332-01685	13/32	3/4-16	1.31	2.75	1.50	.20
10ACA-10FTON90-S	7332-01695	1/2	7/8-14	1.50	3.00	1.75	.32
12ACA-10FTON90-S	7332-01825	5/8	7/8-14	1.50	3.25	2.00	.34

## Female SAE Tube O-Ring Nut Swivel - 90° Block - Steel

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-8FTON90BL-S	7332-01835	13/32	3/4-16	.71	2.44	1.19	.28
10ACA-10FTON90BL-S	7332-01845	1/2	7/8-14	.71	2.50	1.25	.34
12ACA-10FTON90BL-S	7332-01855	5/8	7/8-14	.71	2.62	1.37	.34

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

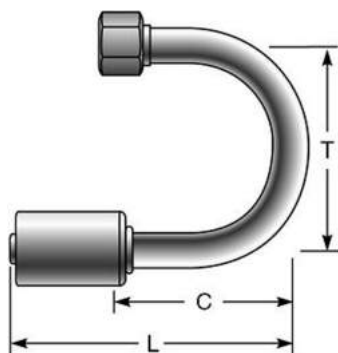
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## Female SAE Tube O-Ring Nut - 180° Bent Tube - Aluminum

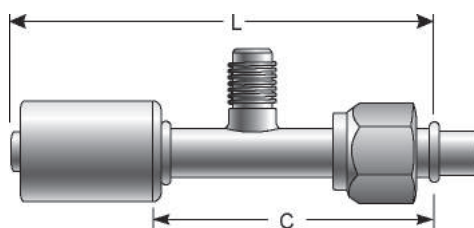
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FTON180	7332-03575	5/16	5/8-18	1.63	3.50	2.25	.10
8ACA-8FTON180	7332-03585	13/32	3/4-18	1.75	3.50	2.25	.15
12ACA-12FTON180	7332-03595	5/8	1 1/16-14	2.12	4.50	3.25	.35

## Female SAE Tube O-Ring Nut Swivel with R12 Service Port - Aluminum

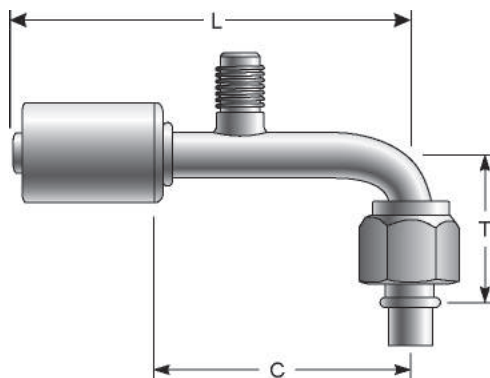
O-Ring not included. Must be ordered separately.  
 Service Ports: High Side; 6-8 Hose; 3/8" Schrader Valve  
 Service Ports: Low Side; 10-12 Hose; 1/4" Schrader Valve



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FTONR12SP	7332-01985	5/16	5/8-18	3.38	2.13	.10
8ACA-8FTONR12SP	7332-01995	13/32	3/4-16	3.38	2.13	.12
10ACA-10FTONR12SP	7332-02005	1/2	7/8-14	3.62	2.37	.18

## Female SAE Tube O-Ring Nut Swivel with R12 Service Port - 90° Bent Tube - Aluminum

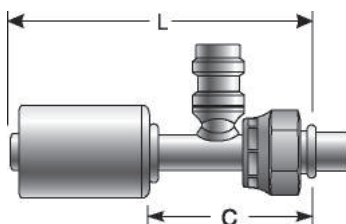
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FTONR12SP90	7332-02015	5/16	5/8-18	1.12	3.62	2.37	.14
8ACA-8FTONR12SP90	7332-02025	13/32	3/4-16	1.31	3.62	2.37	.18
10ACA-10FTONR12SP90	7332-02035	1/2	7/8-14	1.50	3.88	2.63	.24
12ACA-10FTONR12SP90	7332-02045	5/8	7/8-14	1.75	4.19	2.94	.28

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FTON134SP	7332-00555	5/16	5/8-18	3.30	2.05	.10
8ACA-8FTON134SP	7332-00565	13/32	3/4-16	3.38	2.13	.68
10ACA-10FTON134SP	7332-00575	1/2	7/8-14	3.62	2.37	.18
12ACA-10FTON134SP	7332-00585	5/8	7/8-14	3.75	2.50	.14

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

**POLARSEAL  
COUPLINGS**

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

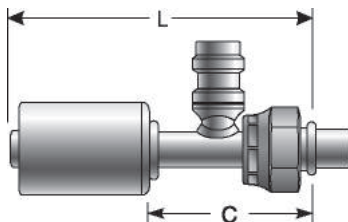
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - Steel

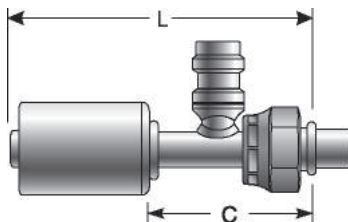
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FTON134SP-S	7332-04405	5/16	5/8-18	1.88	3.98	.26
8ACA-8FTON134SP-S	7332-02685	13/32	3/4-16	3.38	2.13	.25
10ACA-10FTON134SP-S	7332-02695	1/2	7/8-14	3.62	2.37	.35

## Female SAE Tube O-Ring Nut Swivel with R134a High Pressure Service Port - Aluminum

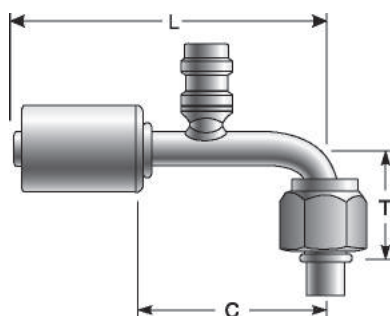
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
10ACA-10FTON134SPH	7332-04245	1/2	7/8-14	3.62	2.37	.18

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Aluminum

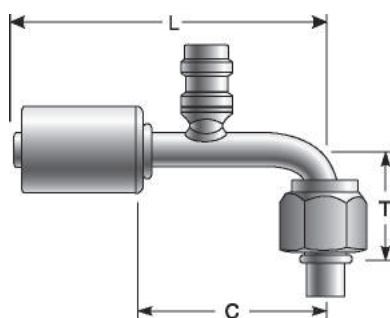
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FTON134SP90	7332-00595	5/16	5/8-18	1.12	3.62	2.37	.12
8ACA-8FTON134SP90	7332-00605	13/32	3/4-16	1.31	3.62	2.37	.18
10ACA-10FTON134SP90	7332-00615	1/2	7/8-14	1.50	3.88	2.63	.24
12ACA-10FTON134SP90	7332-00625	5/8	7/8-14	1.75	4.19	2.94	.28

## Female SAE Tube O-Ring Nut Swivel with R134a Service Port - 90° Bent Tube - Steel

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6FTON134SP90-S	7332-02075	5/16	5/8-18	1.12	3.62	2.37	.20
8ACA-8FTON134SP90-S	7332-01705	13/32	3/4-16	1.50	3.62	2.37	.40
10ACA-10FTON134SP90-S	7332-01715	1/2	7/8-14	1.75	3.88	2.63	.30
12ACA-10FTON134SP90-S	7332-02085	5/8	7/8-14	1.75	4.19	2.94	.38

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

**POLARSEAL  
COUPLINGS**

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

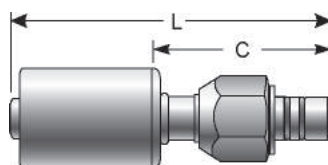
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## Female SAE Tube Dual O-Ring Nut - Aluminum

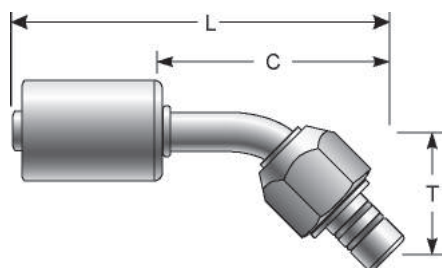
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
8ACA-8FTDON	7332-03395	13/32	13/16-16	3.55	2.30	.20
10ACA-10FTDON	7332-03405	1/2	15/16-16	3.79	2.54	.25
12ACA-12FTDON	7332-03415	5/8	1 1/16-14	3.96	2.71	.30

## Female SAE Tube Dual O-Ring Nut - 45° Bent Tube - Aluminum

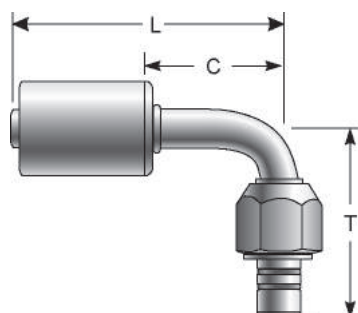
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-8FTDON45	7332-03425	13/32	13/16-16	1.02	3.43	2.18	.20
12ACA-12FTDON45	7332-03445	5/8	1 1/16-14	1.40	4.37	3.12	.30

## Female SAE Tube Dual O-Ring Nut - 90° Bent Tube - Aluminum



O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-8FTDON90	7332-03455	13/32	13/16-16	1.86	2.75	1.50	.20
10ACA-10FTDON90	7332-03465	1/2	15/16-16	1.91	3.00	1.75	.25

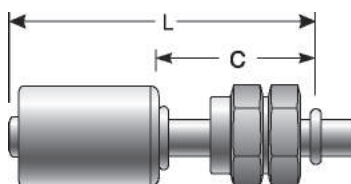




## Female SAE Tube Dual O-Ring Nut - 90° Bent Tube - Aluminum - Continued

Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
12ACA-12FTDON90	7332-03475	5/8	1 1/16-14	2.40	3.25	2.00	.30

## Female SAE Tube O-Ring Metric Nut Swivel - Aluminum

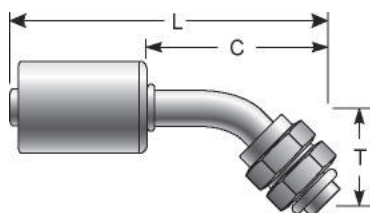
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-16FTOMN	7332-00815	5/16	M16X1.5	2.81	1.56	.12
6ACA-18FTOMN	7332-03215	5/16	M18X1.5	2.87	1.62	.10
6ACA-20FTOMN	7332-03225	5/16	M20X1.5	2.94	1.69	.15
8ACA-20FTOMN	7332-03235	13/32	M20X1.5	2.94	1.69	.15
10ACA-22FTOMN	7332-00825	1/2	M22X1.5	3.19	1.94	.16
10ACA-24FTOMN	7332-00835	1/2	M24X2.0	3.19	1.94	.20
12ACA-27FTOMN	7332-00845	5/8	M27X2.0	3.31	2.06	.28

## Female SAE Tube O-Ring Metric Nut Swivel - 45° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-14FTOMN45	7332-03245	5/16	M14X1.5	.63	3.47	2.22	.10
6ACA-16FTOMN45	7332-03255	5/16	M16X1.5	.63	3.47	2.22	.10
6ACA-18FTOMN45	7332-03265	5/16	M18X1.5	.69	3.53	2.28	.15
6ACA-20FTOMN45	7332-03275	5/16	M20X1.5	.75	3.72	2.47	.15
8ACA-20FTOMN45	7332-03285	13/32	M20X1.5	.75	3.72	2.47	.15
10ACA-22FTOMN45	7332-03295	1/2	M22X1.5	.88	3.60	2.35	.20
10ACA-24FTOMN45	7332-03305	1/2	M24X2.0	.88	3.60	2.35	.25
12ACA-27FTOMN45	7332-03315	5/8	M27X2.0	1.00	4.59	3.34	.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

**POLARSEAL  
COUPLINGS**

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

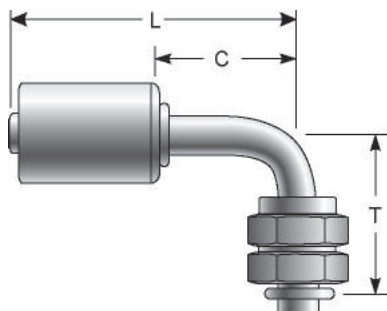
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## Female SAE Tube O-Ring Metric Nut Swivel - 90° Bent Tube - Aluminum

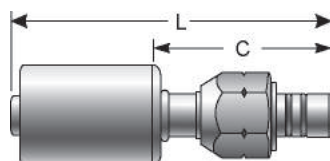
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-16FTOMN90	7332-00855	5/16	M16X1.5	1.12	2.75	1.50	.10
6ACA-18FTOMN90	7332-03325	5/16	M18X1.5	1.12	2.75	1.50	.15
6ACA-20FTOMN90	7332-03335	5/16	M20X1.5	1.25	2.75	1.50	.15
8ACA-20FTOMN90	7332-03345	13/32	M20X1.5	1.37	2.94	1.69	.15
10ACA-22FTOMN90	7332-00865	1/2	M22X1.5	1.63	3.13	1.88	.18
10ACA-24FTOMN90	7332-00875	1/2	M24X2.0	1.50	3.13	1.88	.20
12ACA-27FTOMN90	7332-00885	5/8	M27X2.0	1.75	3.38	2.13	.28

## Female SAE Tube Dual O-Ring Metric Nut - Aluminum

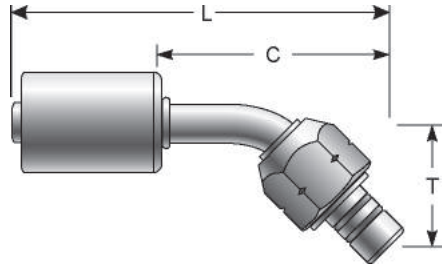
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
8ACA-24FTDOMN	7332-03485	13/32	M24X2.0	3.55	2.30	.10
10ACA-24FTDOMN	7332-03495	1/2	M24X2.0	3.79	2.54	.20
12ACA-27FTDOMN	7332-03505	5/8	M27X2.0	3.96	2.71	.25

## Female SAE Tube Dual O-Ring Metric Nut - 45° Bent Tube - Aluminum

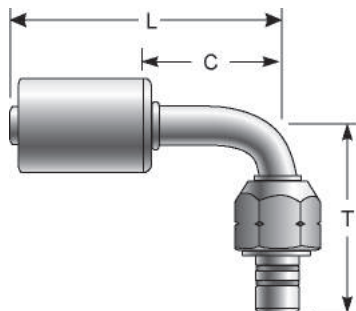
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-24FTDOMN45	7332-03515	13/32	M24X2.0	1.02	3.43	2.18	.15
10ACA-24FTDOMN45	7332-03525	1/2	M24X2.0	1.30	4.02	2.77	.20
12ACA-27FTDOMN45	7332-03535	5/8	M27X2.0	1.40	4.37	3.12	.30

## Female SAE Tube Dual O-Ring Metric Nut - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-24FTDOMN90	7332-03545	13/32	M24X2.0	1.86	2.75	1.50	.20
10ACA-24FTDOMN90	7332-03555	1/2	M24X2.0	1.91	3.00	1.75	.20
12ACA-27FTDOMN90	7332-03565	5/8	M27X2.0	2.40	3.25	2.00	.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

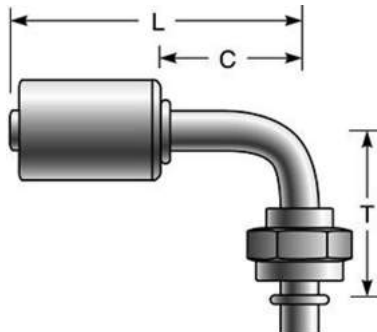
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## Compressor Female SAE Tube O-Ring Nut Swivel - 90° Bent Tube - Steel

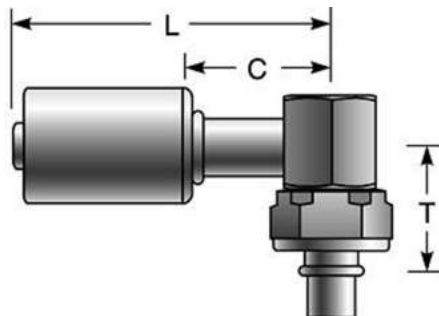
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6CFTON90S	7332-04465	13/32	1-14	.84	.94	2.44	.34
8ACA-10CFTON90-S	7332-02335	13/32	1-14	1.50	3.01	1.42	.25
10ACA-10CFTON90S	7332-04475	1/2	1-14	.84	.94	2.63	.36
12ACA-10CFTON90-S	7332-02065	5/8	1-14	1.63	3.18	1.60	.26

## Compressor Female SAE Tube O-Ring Nut Swivel - 90° Block - Steel

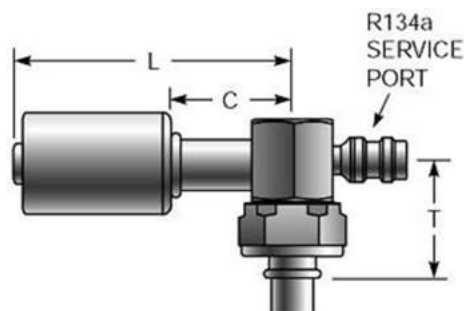
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-10CFTON90BL-S	7332-02095	13/32	1-14	.80	3.02	1.43	.38
12ACA-10CFTON90BL-S	7332-02105	5/8	1-14	.80	3.14	1.55	.40

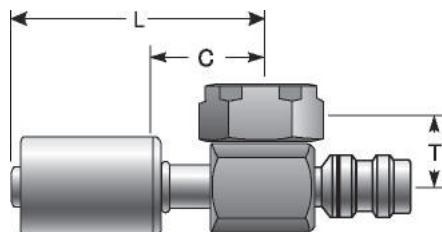
## Compressor Female Tube O-Ring Nut with 134a Service Port - 90° Block - Steel



O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-10CFTON134SP90BL-S	7332-03865	13/32	1-14	.78	2.45	1.20	.40
10ACA-10CFTON134SP90BL-S	7332-03875	1/2	1-14	.78	2.51	1.26	.40
12ACA-10CFTON134SP90BL-S	7332-02755	5/8	1-14	.78	2.67	1.42	.45

## Female Rotalok (Compressor Connection) with R134a Service Port - 90° Block - Aluminum



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
8ACA-R134SP-RL	7332-01215	13/32	1-14	.78	2.45	1.20	.42
10ACA-R134SP-RL	7332-01225	1/2	1-14	.78	2.51	1.26	.42

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

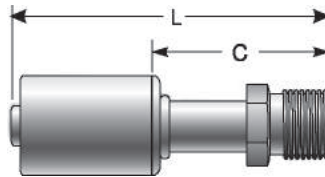
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Inverted O-Ring - Aluminum

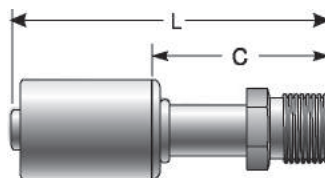
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MIO	7332-00895	5/16	5/8-18	2.94	1.69	.08
8ACA-8MIO	7332-00905	13/32	3/4-18	3.13	1.88	.12
10ACA-10MIO	7332-00915	1/2	7/8-14	3.62	2.37	.14
12ACA-12MIO	7332-00925	5/8	1 1/16-14	3.88	2.63	.20

## Male Inverted O-Ring - Steel

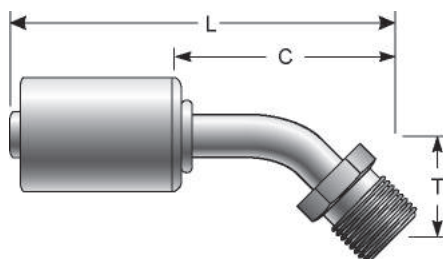
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MIO-S	7332-01885	5/16	5/8-18	2.94	1.69	.10
8ACA-8MIO-S	7332-01895	13/32	3/4-18	3.13	1.88	.16
10ACA-10MIO-S	7332-03355	1/2	7/8-14	3.62	2.37	.20

## Male Inverted O-Ring - 45° Bent Tube - Aluminum

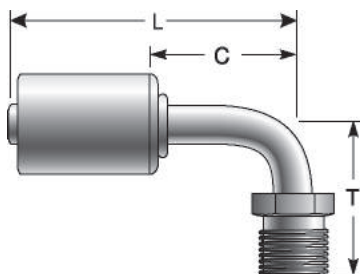
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MIO45	7332-03365	5/16	5/8-18	.75	3.03	1.78	.10
8ACA-8MIO45	7332-03375	13/32	3/4-18	1.00	3.41	2.16	.10
10ACA-10MIO45	7332-03385	1/2	7/8-14	1.25	3.97	2.72	.25

## Male Inverted O-Ring - 90° Bent Tube - Aluminum

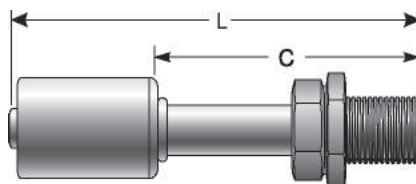
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MIO90	7332-00935	5/16	5/8-18	1.50	2.56	1.31	.08
8ACA-8MIO90	7332-00945	13/32	3/4-18	1.75	2.75	1.50	.10
10ACA-10MIO90	7332-00955	1/2	7/8-14	2.00	3.00	1.75	.14

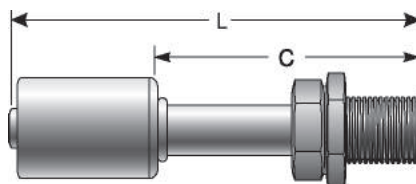
## Male Inverted O-Ring Bulkhead - Aluminum



O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MIOBKHD	7332-00965	5/16	5/8-18	4.00	2.75	.20
8ACA-8MIOBKHD	7332-00975	13/32	3/4-18	4.25	3.00	.22
10ACA-10MIOBKHD	7332-00985	1/2	7/8-14	4.44	3.19	.24

## Male Inverted O-Ring Bulkhead - Steel



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MIOBKHD-S	7332-04445	5/16	5/8-18	1.82	2.36	.25
10ACA-10MIOBKHD-S	7332-04455	1/2	7/8-14	2.13	2.57	.31

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

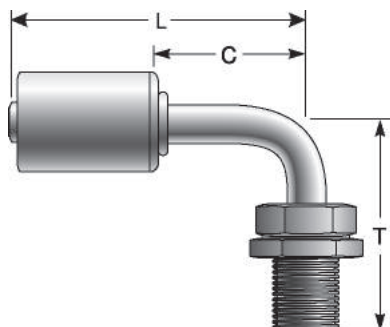
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Inverted O-Ring Bulkhead - 90° Bent Tube - Aluminum

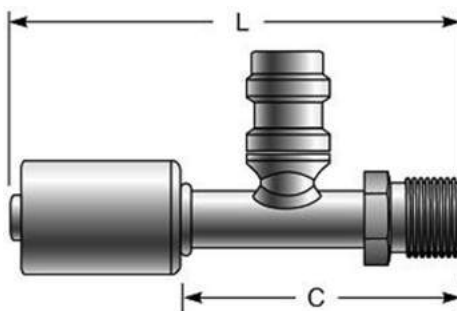
O-Ring not included. Must be ordered separately.





Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"				
6ACA-6MIOBKHD90	7332-00995	5/16	5/8-18	2.12	3.13	1.88	.20
8ACA-8MIOBKHD90	7332-01005	13/32	3/4-18	2.44	3.25	2.00	.10
10ACA-10MIOBKHD90	7332-01015	1/2	7/8-14	2.50	3.50	2.25	.26

## Male Inverted O-Ring with R134a Service Port - Aluminum

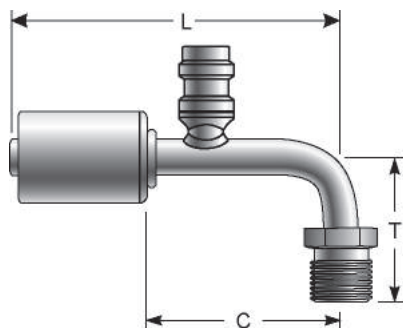
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			L	C	Weight (Lbs.)
		"	"			
6ACA-6MIO134SP	7332-03605	5/16	5/8-18	3.47	2.22	.10
8ACA-8MIO134SP	7332-03615	13/32	3/4-18	4.22	2.97	.15
10ACA-10MIO134SP	7332-03625	1/2	7/8-14	4.22	2.97	.15
12ACA-12MIO134SP	7332-03635	5/8	1 1/16-14	4.47	3.22	.25

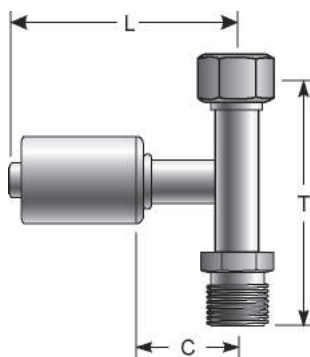
## Male Inverted O-Ring with R134a Service Port - 90° Bent Tube - Aluminum

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6MIO134SP90	7332-03645	5/16	5/8-18	1.50	3.59	2.34	.10
8ACA-8MIO134SP90	7332-03655	13/32	3/4-18	1.80	3.59	2.34	.15
10ACA-10MIO134SP90	7332-03665	1/2	7/8-14	2.00	3.85	2.60	.20

## Universal Tee O-Ring Splicer English Threads - Aluminum



Descr.	Prod. No.			T	L	C	Weight (Lbs.)
		"	"	"	"	"	
6ACA-6TORSP	7332-03675	5/16	5/8-18	2.47	2.50	1.25	.15
6ACA-8TORSP	7332-03685	5/16	3/4-16	2.97	2.62	1.37	.20
10ACA-10TORSP	7332-03695	1/2	7/8-14	3.53	2.75	1.50	.30
10ACA-12TORSP	7332-03705	1/2	1 1/16-14	4.10	2.94	1.69	.45

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

**POLARSEAL  
COUPLINGS**

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

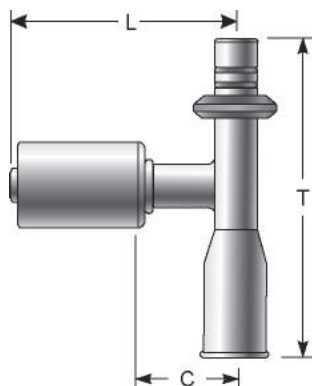
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

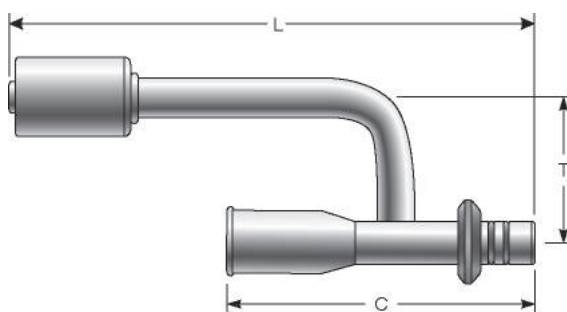
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Female (Ford) Spring Lock Tee O-Ring Splicer - Aluminum



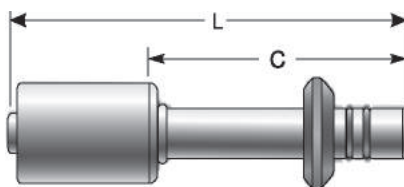
Descr.	Prod. No.		T	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-8FSLTORSP	7332-03735	5/16	1.72	5.13	3.88	.10
10ACA-12FSLTORSP	7332-03775	1/2	1.97	5.62	4.37	.20

## Female (Ford) Spring Lock Liquid Line Splicer - Aluminum




Descr.	Prod. No.		T	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-8FSLSP	7332-03715	5/16	1.75	5.13	3.88	.15

## Male (Ford) Spring Lock - Aluminum

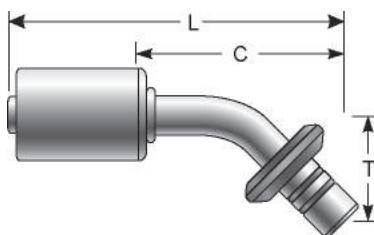



Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
6ACA-6MSL	7332-01055	5/16	3.81	2.56	.22
6ACA-8MSL	7332-01575	5/16	3.88	2.63	.10

## Male (Ford) Spring Lock - Aluminum - Continued

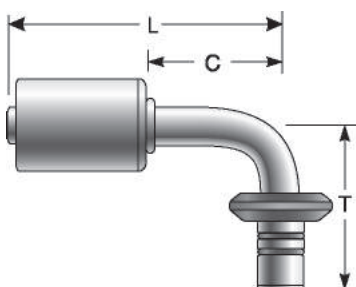
Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
8ACA-8MSL	7332-01065	13/32	3.88	2.63	.55
10ACA-10MSL	7332-01075	1/2	4.00	2.75	.12
12ACA-10MSL	7332-01585	5/8	4.00	2.75	.14
12ACA-12MSL	7332-01085	5/8	4.25	3.00	.16


## Male (Ford) Spring Lock - 45° Bent Tube - Aluminum



Descr.	Prod. No.		T	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MSL45	7332-03725	5/16	1.25	3.97	2.72	.20
6ACA-8MSL45	7332-03745	5/16	1.31	4.09	2.84	.10
8ACA-8MSL45	7332-03755	13/32	1.31	4.09	2.84	.10
10ACA-10MSL45	7332-03765	1/2	1.63	4.48	3.23	.15
12ACA-10MSL45	7332-03785	5/8	1.63	4.48	3.23	.15
12ACA-12MSL45	7332-03795	5/8	1.75	4.72	3.47	.20

## Male (Ford) Spring Lock - 90° Bent Tube - Aluminum



Descr.	Prod. No.		T	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6MSL90	7332-02135	5/16	2.19	2.88	1.63	.08
6ACA-8MSL90	7332-02185	5/16	2.38	3.12	1.88	.12
8ACA-8MSL90	7332-02145	13/32	2.38	2.94	1.69	.12
10ACA-10MSL90	7332-02155	1/2	2.50	1.95	1.89	.15
12ACA-10MSL90	7332-02175	5/8	2.50	3.13	1.89	.16
12ACA-12MSL90	7332-02165	5/8	2.38	3.69	2.44	.18

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

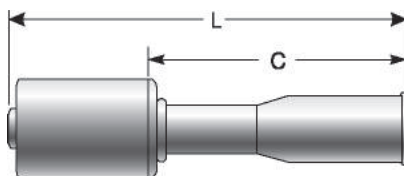
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

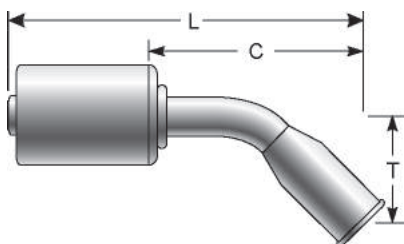
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS


## Female (Ford) Spring Lock - Aluminum



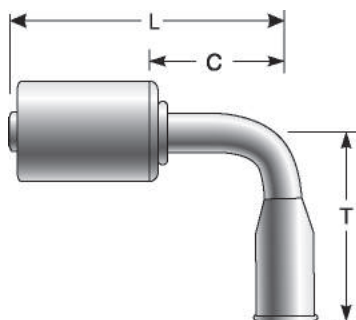
Descr.	Prod. No.		L	C	Weight (Lbs.)
		"	"	"	
6ACA-6FSL	7332-01095	5/16	3.81	2.56	.04
6ACA-8FSL	7332-01595	5/16	3.85	2.59	.06
8ACA-8FSL	7332-01105	13/32	3.88	2.63	.57
10ACA-10FSL	7332-01115	1/2	4.13	2.88	.08
12ACA-10FSL	7332-01605	5/8	4.28	3.10	.10
12ACA-12FSL	7332-01125	5/8	4.25	3.00	.02


## Female (Ford) Spring Lock - 45° Bent Tube - Aluminum



Descr.	Prod. No.		T	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FSL45	7332-03805	5/16	1.31	4.03	2.78	.05
6ACA-8FSL45	7332-03815	5/16	1.37	4.15	2.90	.05
8ACA-8FSL45	7332-03825	13/32	1.37	4.15	2.90	.15
10ACA-10FSL45	7332-03835	1/2	1.69	4.54	3.29	.10
12ACA-10FSL45	7332-03845	5/8	1.75	4.60	3.35	.15
12ACA-12FSL45	7332-03855	5/8	1.75	4.72	3.47	.15

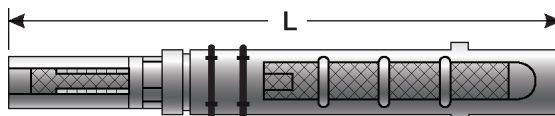
## Female (Ford) Spring Lock - 90° Bent Tube - Aluminum




Descr.	Prod. No.		T	L	C	Weight (Lbs.)
		"	"	"	"	
6ACA-6FSL90	7332-02195	5/16	2.19	2.88	1.63	.06
6ACA-8FSL90	7332-02245	5/16	2.38	3.12	1.88	.10
8ACA-8FSL90	7332-02205	13/32	2.38	2.94	1.69	.08
10ACA-10FSL90	7332-02215	1/2	2.50	3.13	1.89	.12
12ACA-10FSL90	7332-02235	5/8	2.50	3.13	1.89	.12
12ACA-12FSL90	7332-02225	5/8	3.20	3.69	2.44	.12

## Inline Orifice Tube

**Description:** The orifice tube is found on an accumulator air conditioning system. It is the dividing point between high and low pressure sides of the refrigeration system. The orifice tube filters and restricts high-pressure refrigerant in the liquid line and meters refrigerant flow as a low-pressure liquid. It is located in the refrigerant line between the condenser outlet and the evaporator inlet. The tube should be replaced any time the air conditioning system is opened for service.



Descr.	Prod. No.		L		Weight (Lbs.)
		"	"	mm	
IOT-BLACK	7332-02815	.072	3.50	88.9	.01
IOT-BLUE	7332-02785	.072	3.50	88.9	.01
IOT-ORANGE	7332-02795	.057	3.50	88.9	.01
IOT-RED	7332-02805	.062	3.50	88.9	.01
IOT-WHITE	7332-02775	.072	3.50	88.9	.01

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

**POLARSEAL  
COUPLINGS**

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

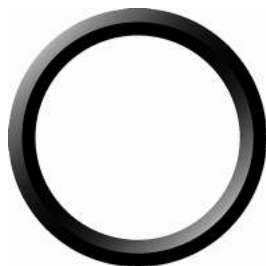
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## O-Rings for PolarSeal® Couplings



Descr.	Prod. No.	Inside Diameter	W Wall Thickness	Weight (Lbs.)
		"	"	
6ACOR	7332-01235	.30	.07	.01
8ACOR	7332-01245	.43	.07	.06
10ACOR	7332-01255	.55	.07	.06
12ACOR	7332-01265	.68	.07	.05

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

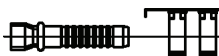
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

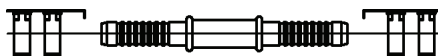




## Weld On Hose End



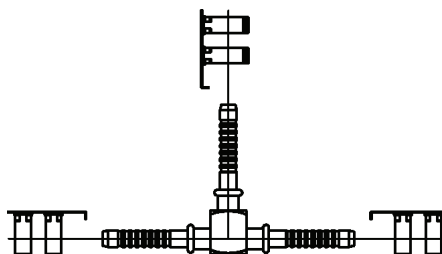
Descr.	Prod. No.		Weight (Lbs.)
		"	
6ACC-6FBO	7332-51165	5/16	.03
8ACC-8FBO	7332-51175	13/32	.05
10ACC-10FBO	7332-51185	1/2	.07
12ACC-10FBO	7332-51345	5/8	.07
12ACC-12FBO	7332-51195	5/8	.08



## Splicer



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6HLE	7332-50915	5/16	6	.06
8ACC-8HLE	7332-50925	13/32	8	.09
10ACC-10HLE	7332-50935	1/2	10	.12
12ACC-12HLE	7332-50945	5/8	12	.14

## T Splicer



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6HLET	7332-51085	5/16	6	.16
8ACC-8HLET	7332-51095	13/32	8	.32
10ACC-10HLET	7332-51105	1/2	10	.35
12ACC-12HLET	7332-51115	5/8	12	.38
16ACC-16HLET	7332-51125	7/8	16	.87

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

**POLARSEAL II  
COUPLINGS**

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

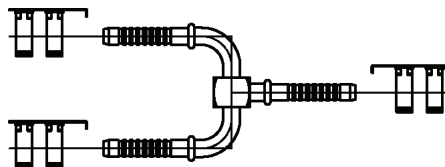
LIVE SWIVEL

BALL VALVES

ACCESSORIES

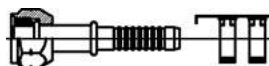
EQUIPMENT AND  
PARTS

## Y Splicer



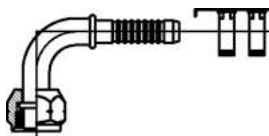
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8ACC-8HLEY	7332-51135	13/32	8	.39
10ACC-10HLEY	7332-51145	1/2	10	.45
12ACC-12HLEY	7332-51155	5/8	12	.47

## Male Flareless Assembly



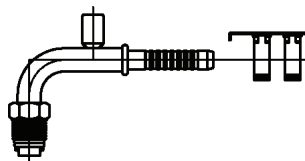
Descr.	Prod. No.	Weight (Lbs.)
6ACC-6MFA	7332-51355	.15
8ACC-8MFA	7332-51365	.18
10ACC-10MFA	7332-51375	.25
12ACC-12MFA	7332-51385	.35



## Male Flareless Assembly - 90° Bent Tube



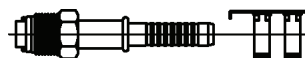
Descr.	Prod. No.	Weight (Lbs.)
6ACC-6MFA90	7332-51395	.20
8ACC-8MFA90	7332-51405	.30
10ACC-10MFA90	7332-51415	.40
12ACC-12MFA90	7332-51425	.50



## Male O-Ring (MOR) with Switch or Service Port - 90° Bent Tube



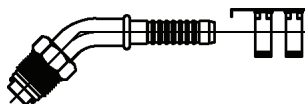
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8ACC-8MTON90134SWPH	7332-50695	13/32	3/4-16	.25



## Male O-Ring (MOR)



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MTON	7332-50525	5/16	5/8-18	.08
8ACC-6MTON	7332-50585	13/32	5/8-18	.08
8ACC-8MTON	7332-50535	13/32	3/4-16	.13
10ACC-10MTON	7332-50545	1/2	7/8-14	.16
12ACC-10MTON	7332-50595	5/8	7/8-14	.16
12ACC-12MTON	7332-50565	5/8	1 1/16-14	.21
16ACC-10MTON	7332-50555	7/8	7/8-14	.34
16ACC-12MTON	7332-50575	7/8	1 1/16-14	.39

## Male O-Ring (MOR) - 45° Bent Tube



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MTON45	7332-50605	5/16	5/8-18	.09
12ACC-10MTON45	7332-50615	5/8	7/8-14	.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

**POLARSEAL II  
COUPLINGS**

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

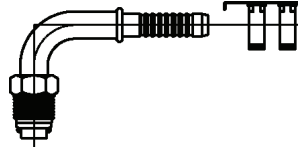
LIVE SWIVEL



BALL VALVES

ACCESSORIES

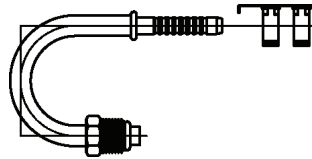
EQUIPMENT AND  
PARTS



## Male O-Ring (MOR) - 90° Bent Tube



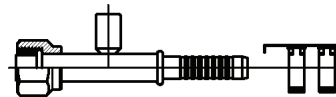
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MTON90	7332-50625	5/16	5/8-18	.09
8ACC-6MTON90	7332-50665	13/32	5/8-18	.09
8ACC-8MTON90	7332-50635	13/32	3/4-16	.14
10ACC-8MTON90	7332-50675	1/2	3/4-16	.16
10ACC-10MTON90	7332-50645	1/2	7/8-14	.19
12ACC-10MTON90	7332-50685	5/8	7/8-14	.40
12ACC-12MTON90	7332-50655	5/8	1 1/16-14	.26



## Male O-Ring (MOR) - 180° Bent Tube



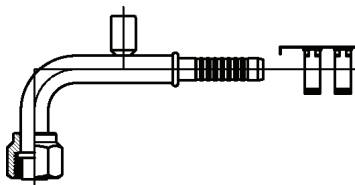
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MTON180	7332-50895	5/16	5/8-18	.12
10ACC-10MTON180	7332-50905	5/8	7/8-14	.32



## Straight Female O-Ring (FOR) with Switch or Service Port



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8ACC-8FTON134SPH	7332-50135	13/32	3/4-16	.22
8ACC-8FTONSWP	7332-50125	13/32	3/4-16	.17
10ACC-8FTON134SPH	7332-50195	1/2	3/4-16	.23
10ACC-10FTON134SPL	7332-50145	1/2	7/8-14	.27
12ACC-10FTON134SPL	7332-50205	5/8	7/8-14	.28
12ACC-10FTONMSWP	7332-50215	5/8	7/8-14	.27
12ACC-12FTON134SPL	7332-50175	5/8	1 1/16-14	.37
12ACC-12FTONMSWP	7332-50185	5/8	1 1/16-14	.36
12ACC-12FTONSWP	7332-50165	5/8	1 1/16-14	.35
16ACC-10FTON134SPL	7332-50155	7/8	7/8-14	.44



## Female O-Ring (FOR) with Switch or Service Port - 90° Bent Tube



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-8FTON134SPH90	7332-50505	5/16	3/4-16	.20
8ACC-8FTON134SPH90	7332-50415	13/32	3/4-16	.26
8ACC-8FTONSWP90	7332-50405	13/32	3/4-16	.21
10ACC-8FTON134SPH90	7332-50485	1/2	3/4-16	.27
10ACC-8FTONSWP90	7332-50475	1/2	3/4-16	.22
10ACC-10FTON134SPH90	7332-50445	1/2	7/8-14	.35
10ACC-10FTON134SPL90	7332-50425	1/2	7/8-14	.33
10ACC-10FTONMSWP90	7332-50435	1/2	7/8-14	.32
12ACC-10FTON134SPL90	7332-50515	5/8	7/8-14	.34
12ACC-10FTONMSWP90	7332-50495	5/8	7/8-14	.34
12ACC-12FTONMSWP90	7332-50465	5/8	1 1/16-14	.42
12ACC-12FTONSWP90	7332-50455	5/8	1 1/16-14	.40

## Straight Female O-Ring



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6FTON	7332-50015	5/16	5/8-18	.09
6ACC-8FTON	7332-50105	5/16	3/4-16	.11
8ACC-6FTON	7332-50075	13/32	5/8-18	.09
8ACC-8FTON	7332-50025	13/32	3/4-16	.14
8ACC-10FTON	7332-50115	13/32	7/8-14	.19
10ACC-8FTON	7332-50085	1/2	3/4-16	.15
10ACC-10FTON	7332-50035	1/2	7/8-14	.21
12ACC-10FTON	7332-50095	5/8	7/8-14	.22
12ACC-12FTON	7332-50055	5/8	1 1/16-14	.33
16ACC-10FTON	7332-50045	7/8	7/8-14	.38
16ACC-12FTON	7332-50065	7/8	1 1/16-14	.46

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

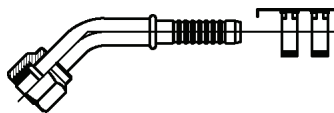
LIVE SWIVEL



BALL VALVES

ACCESSORIES

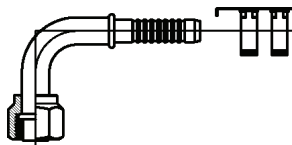
EQUIPMENT AND  
PARTS



## Female O-Ring (FOR) - 45° Bent Tube



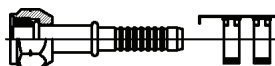
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6FTON45	7332-50225	5/16	5/8-18	.09
8ACC-8FTON45	7332-50235	13/32	3/4-16	.15
10ACC-8FTON45	7332-50275	1/2	3/4-16	.16
10ACC-10FTON45	7332-50245	1/2	7/8-14	.23
12ACC-10FTON45	7332-50285	5/8	7/8-14	.24
12ACC-12FTON45	7332-50255	5/8	1 1/16-14	.33
16ACC-12FTON45	7332-50265	7/8	1 1/16-14	.49



## Female O-Ring (FOR) - 90° Bent Tube



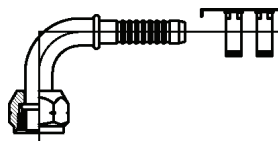
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6FTON90	7332-50295	5/16	5/8-18	.10
6ACC-8FTON90	7332-50385	5/16	3/4-16	.13
8ACC-6FTON90	7332-50355	13/32	5/8-18	.10
8ACC-8FTON90	7332-50305	13/32	3/4-16	.17
8ACC-10FTON90	7332-50395	13/32	7/8-14	.23
10ACC-8FTON90	7332-50365	1/2	3/4-16	.18
10ACC-10FTON90	7332-50315	1/2	7/8-14	.26
12ACC-10FTON90	7332-50375	5/8	7/8-14	.28
12ACC-12FTON90	7332-50335	5/8	1 1/16-14	.36
16ACC-10FTON90	7332-50325	7/8	7/8-14	.45
16ACC-12FTON90	7332-50345	7/8	1 1/16-14	.54



## Metric Female O-Ring (FOR)



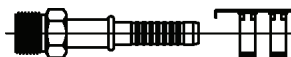
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8ACC-20FTOMN	7332-51215	13/32	M20X1.5	.14
10ACC-27FTOMN	7332-51225	1/2	M27X2.0	.25



## Metric Female O-Ring (FOR) - 90° Bent Tube



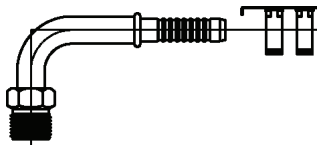
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-18FTOMN90	7332-51235	5/16	M18X1.5	.11
8ACC-20FTOMN90	7332-51245	13/32	M20X1.5	.17
12ACC-27FTOMN90	7332-51255	5/8	M27X2.0	.31



## Male Insert O-Ring (MIO)



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MIO	7332-50795	5/16	5/8-18	.07
8ACC-6MIO	7332-50815	13/32	5/8-18	.09
8ACC-8MIO	7332-50805	13/32	3/4-16	.12
12ACC-10MIO	7332-50825	5/8	7/8-14	.17

## Male Insert O-Ring (MIO) - 90° Bent Tube



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MIO90	7332-50835	5/16	5/8-18	.09
8ACC-6MIO90	7332-50865	13/32	5/8-18	.12
8ACC-8MIO90	7332-50845	13/32	3/4-16	.15
10ACC-8MIO90	7332-50875	1/2	3/4-16	.18
10ACC-10MIO90	7332-50855	1/2	7/8-14	.22
12ACC-10MIO90	7332-50885	5/8	7/8-14	.23

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

**POLARSEAL II  
COUPLINGS**

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

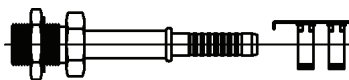
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

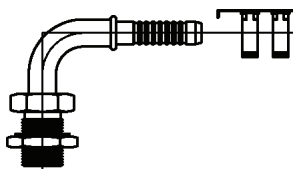




## Male Insert O-Ring (MIO) Bulkhead



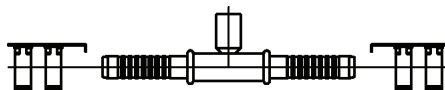
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MIOBKHD	7332-50705	5/16	5/8-18	.19
8ACC-8MIOBKHD	7332-50715	13/32	3/4-16	.24
10ACC-10MIOBKHD	7332-50725	1/2	7/8-14	.29
12ACC-10MIOBKHD	7332-50745	5/8	7/8-14	.30
16ACC-12MIOBKHD	7332-50735	7/8	1 1/16-14	.56



## Male Insert O-Ring (MIO) Bulkhead - 90° Bent Tube



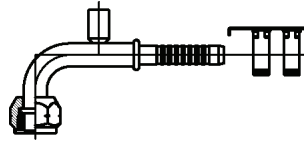
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6MIOBKHD90	7332-50755	5/16	5/8-18	.21
8ACC-8MIOBKHD90	7332-50765	13/32	3/4-16	.28
10ACC-10MIOBKHD90	7332-50775	1/2	7/8-14	.34
12ACC-10MIOBKHD90	7332-50785	5/8	7/8-14	.36



## Splicer with Switch or Service Port



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-6HLE134SPH	7332-50965	5/16	6	.13
6ACC-6HLESWP	7332-50955	5/16	6	.08
8ACC-8HLE134SPH	7332-50985	13/32	8	.17
8ACC-8HLEMSWP	7332-50995	13/32	8	.13
8ACC-8HLESWP	7332-50975	13/32	8	.12
10ACC-10HLE134SPH	7332-51035	1/2	10	.19
10ACC-10HLE134SPL	7332-51015	1/2	10	.18
10ACC-10HLEMSWP	7332-51025	1/2	10	.16
10ACC-10HLESWP	7332-51005	1/2	10	.15
12ACC-12HLE134SPL	7332-51055	5/8	12	.19
12ACC-12HLEMSWP	7332-51065	5/8	12	.18
12ACC-12HLESWP	7332-51045	5/8	12	.17
16ACC-16HLE134SPL	7332-51075	7/8	16	.52



## Metric Female O-Ring (FOR) with Switch or Service Port - 90° Bent Tube



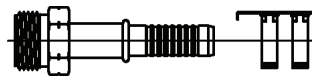
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6ACC-10FTOMN90134SPH	7332-51265	5/16	M10X1.5	.21
10ACC-24FTOMN90SPL	7332-51275	1/2	M24X2.0	.29


## Metric Male Insert O-Ring (MIO)



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
10ACC-20MIOM	7332-51285	1/2	M20X1.5	.22

## Clamp Assemblies



Descr.	Prod. No.		Weight (Lbs.)
		"	
6CLAMP	7332-51295	5/16	.07
8CLAMP	7332-51305	13/32	.08
10CLAMP	7332-51315	1/2	.08
12CLAMP	7332-51325	5/8	.10
16CLAMP	7332-51335	7/8	.04

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

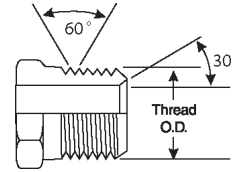
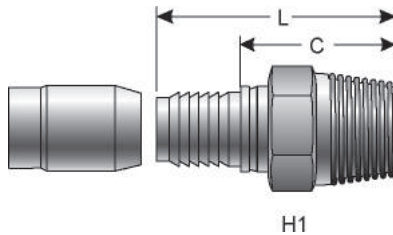
ACCESSORIES

EQUIPMENT AND  
PARTS

NOTES

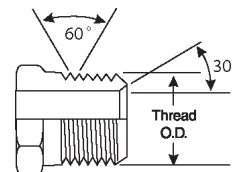
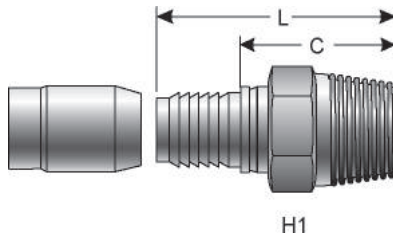
This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## Male Pipe (NPTF - 30° Cone Seat) - Stainless Steel



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C14-2MP-SS	7753-00085	3/16	4.8	1/8-27	7/16	1.26	32.0	.81	20.6	.03
4C14-4MP-SS	7753-00015	3/16	4.8	1/4-18	9/16	1.47	37.3	1.02	25.9	.06
5C14-4MP-SS	7753-00025	1/4	6.4	1/4-18	9/16	1.47	37.3	1.02	25.9	.06
6C14-4MP-SS	7753-00095	5/16	7.9	1/4-18	9/16	1.60	40.7	1.05	26.7	.07
6C14-6MP-SS	7753-00035	5/16	7.9	3/8-18	11/16	1.63	41.4	1.08	27.4	.09
8C14-6MP-SS	7753-00105	13/32	10.3	3/8-18	11/16	1.68	42.7	1.07	27.2	.09
8C14-8MP-SS	7753-00045	13/32	10.3	1/2-14	7/8	1.93	49.0	1.32	33.5	.16
10C14-8MP-SS	7753-00055	1/2	12.7	1/2-14	7/8	2.05	52.1	1.35	34.3	.18
12C14-12MP-SS	7753-00065	5/8	15.9	3/4-14	1 1/16	2.21	56.1	1.44	36.6	.25
16C14-16MP-SS	7753-00075	7/8	22.2	1-11 1/2	1 3/8	2.56	65.0	1.65	41.9	.42

## Male Pipe (NPTF - 30° Cone Seat) - Brass



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C14-2MP-B	7753-10085	3/16	4.8	1/8-27	7/16	1.26	32.0	.81	20.6	.03
4C14-4MP-B	7753-10015	3/16	4.8	1/4-18	9/16	1.47	37.3	1.02	25.9	.06
5C14-4MP-B	7753-10025	1/4	6.4	1/4-18	9/16	1.47	37.3	1.02	25.9	.06
6C14-4MP-B	7753-10095	5/16	7.9	1/4-18	9/16	1.60	40.7	1.05	26.7	.07
6C14-6MP-B	7753-10035	5/16	7.9	3/8-18	11/16	1.63	41.4	1.08	27.4	.09
8C14-6MP-B	7753-10105	13/32	10.3	3/8-18	11/16	1.68	42.7	1.07	27.2	.09
8C14-8MP-B	7753-10045	13/32	10.3	1/2-14	7/8	1.93	49.0	1.32	33.5	.16
10C14-8MP-B	7753-10055	1/2	12.7	1/2-14	7/8	2.05	52.1	1.35	34.3	.18
12C14-12MP-B	7753-10065	5/8	15.9	3/4-14	1 1/16	2.21	56.1	1.44	36.6	.25
16C14-16MP-B	7753-10075	7/8	22.2	1-11 1/2	1 3/8	2.56	65.0	1.65	41.9	.42

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

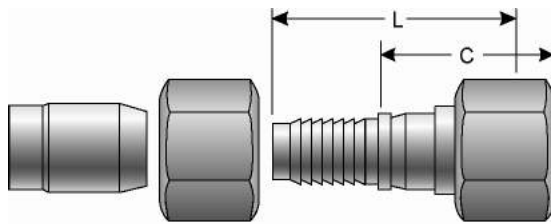
LIVE SWIVEL

BALL VALVES

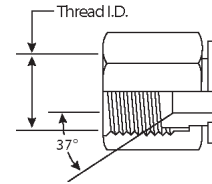
ACCESSORIES

EQUIPMENT AND  
PARTS

## Female JIC 37° Flare Swivel - Stainless Steel

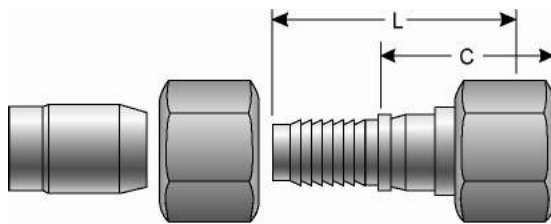


H2

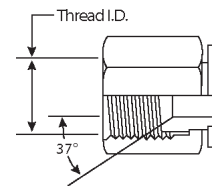


Descr.	Prod. No.	⊖		🌀	H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C14-6FJX-SS	7753-00145	5/16	7.9	9/16-18	3/4	1.19	30.2	1.01	25.7	.08
12C14-12FJX-SS	7753-00175	5/8	15.9	1 1/16-12	1 1/4	1.56	39.6	1.36	34.5	.32

## Female JIC 37° Flare Swivel - Brass

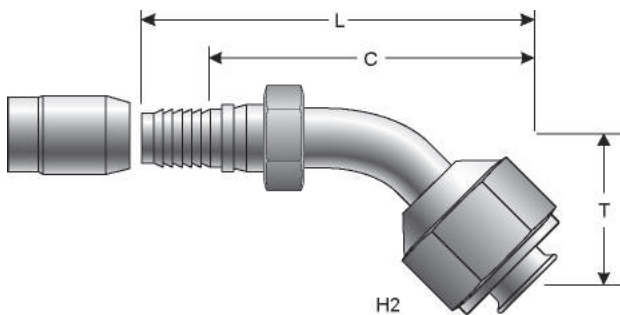


H2

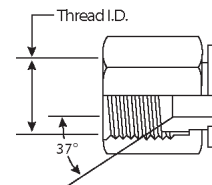


Descr.	Prod. No.	⊖		🌀	H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C14-6FJX-B	7753-10145	5/16	7.9	9/16-18	3/4	1.19	30.2	1.01	25.7	.08
12C14-12FJX-B	7753-10175	5/8	15.9	1 1/16-12	1 1/4	1.56	39.6	1.36	34.5	.32

## Female JIC 37° Flare Swivel - 45° Bent Tube - Steel




H2



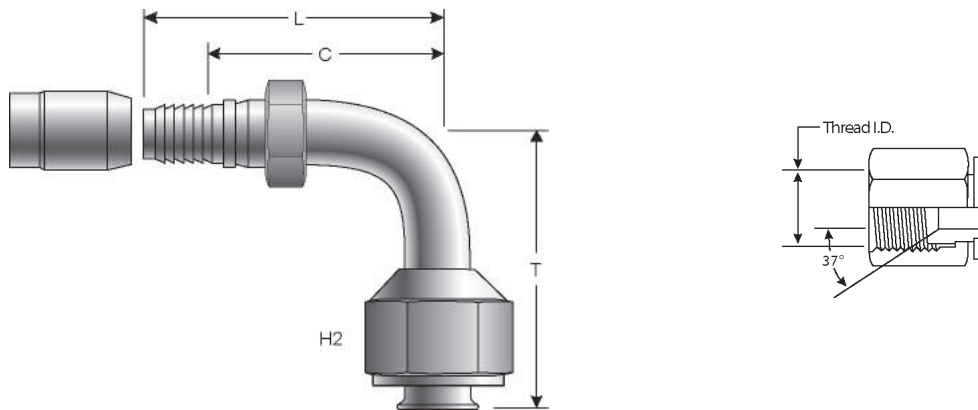
Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4C14-4FJX45	7753-20495	3/16	4.8	7/16-20	9/16	.41	10.4	1.69	42.9	1.25	31.8	.06
5C14-5FJX45	7753-20505	1/4	6.4	1/2-20	5/8	.49	12.5	1.85	47.0	1.44	36.6	.07


## C14 Couplings

### Female JIC 37° Flare Swivel - 45° Bent Tube - Steel - Continued

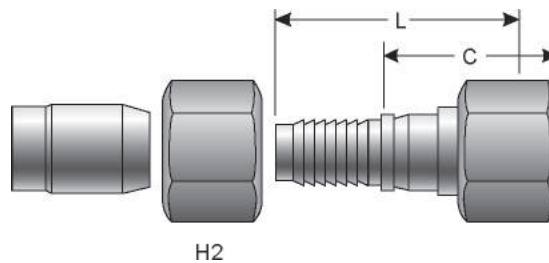
Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
6C14-6FJX45	7753-20515	5/16	7.9	9/16-18	11/16	.55	14.0	2.13	54.1	1.62	41.2	.11
8C14-8FJX45	7753-20525	13/32	10.3	3/4-16	7/8	.63	16.0	2.44	62.0	1.88	47.8	.14
10C14-10FJX45	7753-20535	1/2	12.7	7/8-14	1	.75	19.1	2.78	70.6	2.08	52.8	.29
12C14-12FJX45	7753-20545	5/8	15.9	1 1/16-12	1 1/4	.90	22.9	3.92	99.6	3.15	80.0	.46
16C14-16FJX45	7753-20555	7/8	22.2	1 5/16-12	1 1/2	1.13	28.7	4.77	121.2	3.86	98.0	.90


### Female JIC 37° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖			H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
4C14-4FJX90	7753-20565	3/16	4.8	7/16-20	9/16	.71	18.0	1.42	36.1	1.00	25.4	.06
5C14-5FJX90	7753-20575	1/4	6.4	1/2-20	5/8	.88	22.4	1.55	39.4	1.06	26.9	.08
6C14-6FJX90	7753-20585	5/16	7.9	9/16-18	11/16	1.00	25.4	1.80	45.7	1.25	31.8	.11
8C14-8FJX90	7753-20595	13/32	10.3	3/4-16	7/8	1.18	30.0	2.10	53.3	1.50	38.1	.15
10C14-10FJX90	7753-20605	1/2	12.7	7/8-14	1	1.50	38.1	2.47	62.7	1.81	46.0	.31
12C14-12FJX90	7753-20615	5/8	15.9	1 1/16-12	1 1/4	2.00	50.8	3.88	98.6	3.11	79.0	.63
16C14-16FJX90	7753-20625	7/8	22.2	1 5/16-12	1 1/2	2.48	63.0	4.64	117.9	3.73	94.7	1.00


### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Stainless Steel



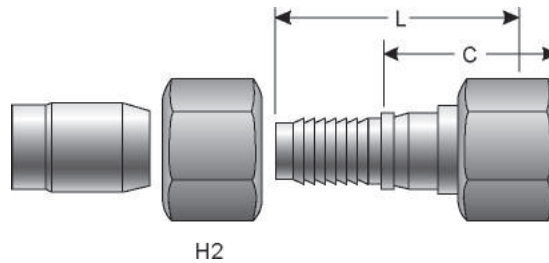
Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	
4C14-4FJSX-SS	7753-00125	3/16	4.8	7/16-20	9/16	.95	24.1	.87	22.1	.05
5C14-5FJSX-SS	7753-00135	1/4	6.4	1/2-20	11/16	1.01	25.7	.94	23.9	.07


## C14 Couplings

### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Stainless Steel - Continued

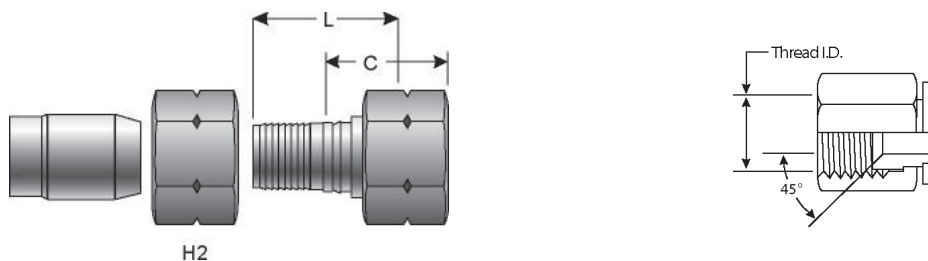
Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
8C14-8FJSX-SS	7753-00155	13/32	10.3	3/4-16	7/8	1.30	33.0	1.13	28.7	.15
10C14-10FJSX-SS	7753-00165	1/2	12.7	7/8-14	1 1/16	1.47	37.3	1.29	32.8	.20
16C14-16FJSX-SS	7753-00185	7/8	22.2	1 5/16-12	1 1/2	1.75	44.5	1.46	37.1	.50


### Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass



Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C14-4FJSX-B	7753-10125	3/16	4.8	7/16-20	9/16	.95	24.1	.79	20.1	.05
5C14-5FJSX-B	7753-10135	1/4	6.4	1/2-20	11/16	1.01	25.7	.94	23.9	.07
8C14-8FJSX-B	7753-10155	13/32	10.3	3/4-16	7/8	1.30	33.0	1.13	28.7	.15
10C14-10FJSX-B	7753-10165	1/2	12.7	7/8-14	1 1/16	1.47	37.3	1.29	32.8	.20
16C14-16FJSX-B	7753-10185	7/8	22.2	1 5/16-12	1 1/2	1.75	44.5	1.46	37.1	.50

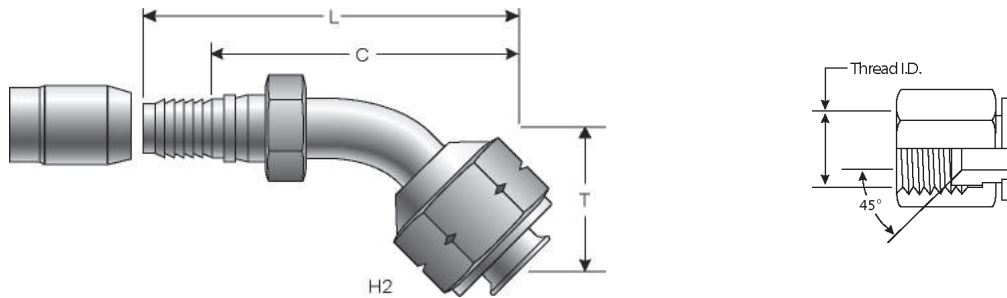
### Female SAE 45° Flare Swivel - Brass



Descr.	Prod. No.	⊖			H2	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C14-6FSX-B	7753-10195	5/16	7.9	5/8-18	3/4	1.19	30.2	1.01	25.7	.08
12C14-12FSX-B	7753-10205	5/8	15.9	1 1/16-14	1 1/4	1.56	39.6	1.36	34.5	.32

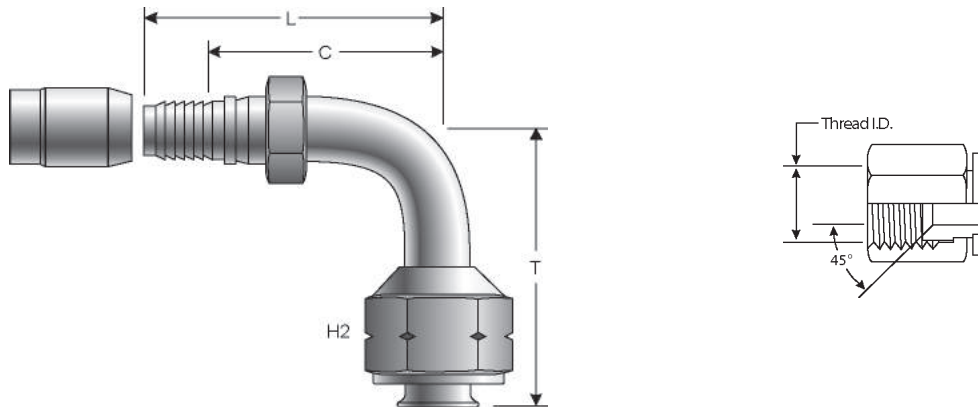


## Female SAE 45° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4C14-4FSX45	7753-20215	3/16	4.8	7/16-20	9/16	.41	10.4	1.69	42.9	1.25	31.8	.06
5C14-5FSX45	7753-20225	1/4	6.4	1/2-20	5/8	.49	12.5	1.85	47.0	1.44	36.6	.07
6C14-6FSX45	7753-20235	5/16	7.9	5/8-18	3/4	.55	14.0	2.13	54.1	1.62	41.2	.11
8C14-8FSX45	7753-20245	13/32	10.3	3/4-16	7/8	.63	16.0	2.44	62.0	1.88	47.8	.14
10C14-10FSX45	7753-20635	1/2	12.7	7/8-14	1	.75	19.1	2.78	70.6	2.12	53.9	.29
12C14-12FSX45	7753-20645	5/8	15.9	1 1/16-14	1 1/4	.90	22.9	3.92	99.6	3.15	80.0	.57

## Female SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	"	mm	
4C14-4FSX90	7753-20255	3/16	4.8	7/16-20	9/16	.71	18.0	1.42	36.1	1.00	25.4	.06
5C14-5FSX90	7753-20265	1/4	6.4	1/2-20	5/8	.88	22.4	1.55	39.4	1.06	26.9	.08
6C14-6FSX90	7753-20275	5/16	7.9	5/8-18	3/4	1.00	25.4	1.80	45.7	1.25	31.8	.11
8C14-8FSX90	7753-20285	13/32	10.3	3/4-16	7/8	1.18	30.0	2.10	53.3	1.50	38.1	.15
10C14-10FSX90	7753-20295	1/2	12.7	7/8-14	1 1/16	1.50	38.1	2.47	62.7	1.81	46.0	.31
12C14-12FSX90	7753-20665	5/8	15.9	1 1/16-14	1 1/4	2.00	50.8	3.88	98.6	3.11	79.0	.63

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## C14 Couplings

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

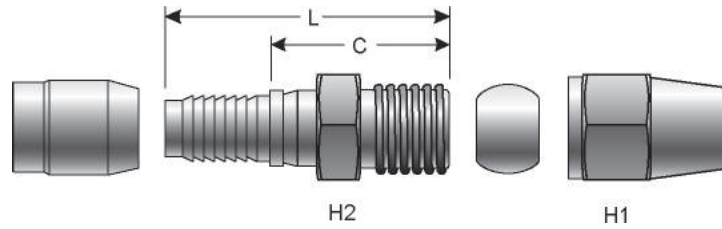
LIVE SWIVEL



BALL VALVES

ACCESSORIES

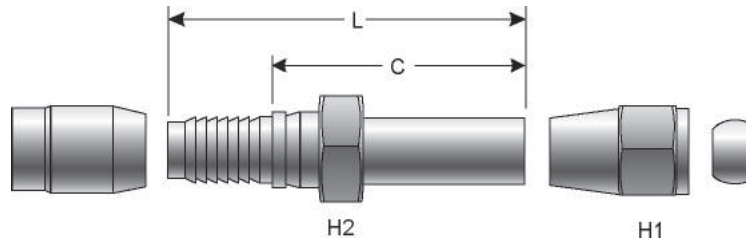
EQUIPMENT AND  
PARTS



### Air Brake Compression - Brass



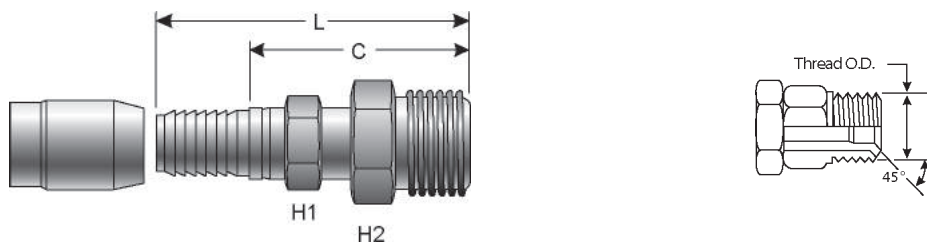
Descr.	Prod. No.	⌀			H1	H2	L		C			Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	
8C14-8ABC-B	7753-10365	13/32	10.3	11/16-20	7/8	13/16	1.71	43.4	1.10	27.9	.50	.20
10C14-10ABC-B	7753-10385	1/2	12.7	13/16-18	7/8	15/16	1.89	48.0	1.19	30.2	.63	.27
12C14-12ABC-B	7753-10395	5/8	15.9	1-18	1 1/16	1 1/8	2.13	54.1	1.36	34.5	.75	.40


### Straight Tube Assembly - Brass



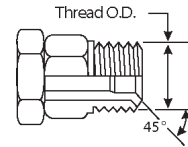
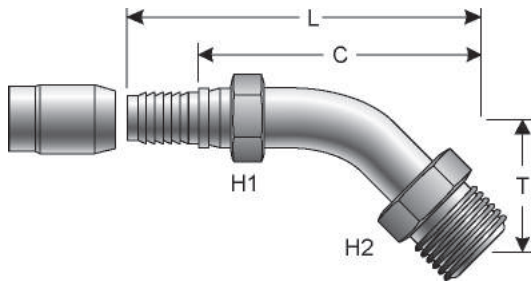
Descr.	Prod. No.	⌀			H1	H2	L		C			Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	
10C14-8STA-B	7753-10415	1/2	12.7	11/16-20	3/4	13/16	3.18	80.8	2.21	56.1	.50	.19
10C14-10STA-B	7753-10425	1/2	12.7	13/16-18	3/4	15/16	3.50	88.9	2.53	64.3	.63	.26
12C14-12STA-B	7753-10435	5/8	15.9	1-18	7/8	1 1/8	3.67	93.2	2.61	66.3	.75	.40

### SAE Male Inverted Swivel - Steel



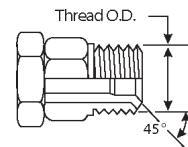
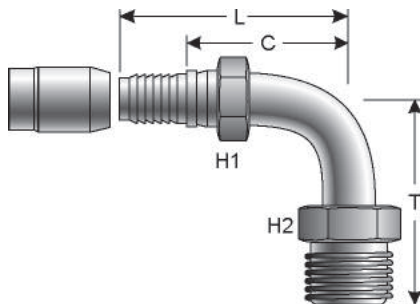
Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
4C14-4MIX	7753-20305	3/16	4.8	7/16-24	7/16	7/16	1.84	46.7	1.39	35.3	.05
5C14-5MIX	7753-20315	1/4	6.4	1/2-20	1/2	1/2	1.90	48.3	1.45	36.8	.05
6C14-6MIX	7753-20325	5/16	7.9	5/8-18	9/16	5/8	2.07	52.6	1.52	38.6	.10
8C14-8MIX	7753-20335	13/32	10.3	3/4-18	5/8	3/4	2.21	56.1	1.60	40.6	.15
10C14-10MIX	7753-20345	1/2	12.7	7/8-16	3/4	7/8	2.47	62.7	1.77	45.0	.22

## SAE Male Inverted Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C14-4MIX45	7753-20355	3/16	4.8	7/16-24	7/16	7/16	.73	18.5	1.99	50.6	1.53	38.9	.06
6C14-6MIX45	7753-20365	5/16	7.9	5/8-18	9/16	5/8	.94	23.9	2.48	63.0	1.93	49.0	.11
8C14-8MIX45	7753-20375	13/32	10.3	3/4-18	5/8	3/4	1.14	29.0	2.95	74.9	2.10	53.3	.19
10C14-10MIX45	7753-20695	1/2	12.7	7/8-18	3/4	7/8	1.34	34.0	3.37	85.6	2.67	67.8	.27
12C14-12MIX45	7753-20705	5/8	15.9	1 3/16-16	7/8	1 1/16	1.54	39.1	4.56	115.8	3.79	96.3	.47

## SAE Male Inverted Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⌀		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C14-4MIX90	7753-20385	3/16	4.8	7/16-24	7/16	7/16	1.30	33.0	1.42	36.1	.97	24.6	.06
5C14-5MIX90	7753-20395	1/4	6.4	1/2-20	1/2	1/2	1.48	37.6	1.54	39.1	1.09	27.7	.07
6C14-6MIX90	7753-20405	5/16	7.9	5/8-18	9/16	5/8	1.63	41.4	1.80	45.7	1.25	31.8	.12
8C14-8MIX90	7753-20415	13/32	10.3	3/4-18	5/8	3/4	1.91	48.5	2.10	53.3	1.77	45.0	.19
10C14-10MIX90	7753-20425	1/2	12.7	7/8-18	3/4	7/8	2.16	54.9	2.47	62.7	1.77	45.0	.29
12C14-12MIX90	7753-20715	5/8	15.9	1 3/16-16	7/8	1 1/16	2.66	67.6	3.60	91.4	2.83	71.9	.51

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

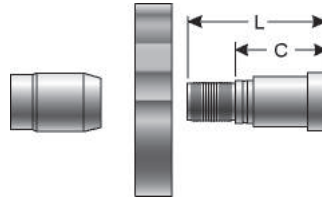
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

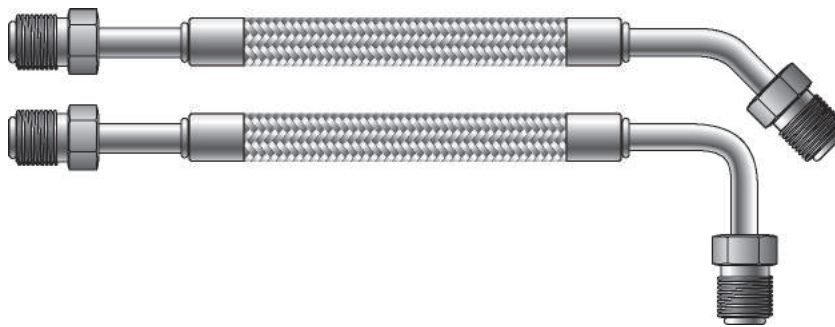
## C14 Couplings

### Two-Bolt Flange Swivel - Brass (Steel Flange) - Laundry Flange



Descr.	Prod. No.	⊖		A	L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	
12C14-12TBFLX	7753-10265	5/8	15.9	2.00	2.27	57.7	.59	15.0	.74
16C14-16TBFLX	7753-10275	7/8	22.2	2.00	2.45	62.2	.81	20.6	.85

### Power Trim Assemblies - Steel



Descr.	Prod. No.	⊖		⌘	L		⌚	⌚	Weight (Lbs.)
		"	mm		"	mm			
PTA-45	7752-00455	3/16	4.8	3/8-24	14.50	368.3	10000	2500	.20
PTA-90	7752-00905	3/16	4.8	3/8-24	14.50	368.3	10000	2500	.16

### C14 Assembly with Two Female Dual Seat JIC 37°/SAE 45° Flare Swivel (FJSX) Couplings-Steel



Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
10C14-10FJSX-10FJSX-18	4479-0002	1/2	12.7	18.00	457.2	.59
10C14-10FJSX-10FJSX-24	4479-0003	1/2	12.7	24.00	609.6	.67
10C14-10FJSX-10FJSX-30	4479-0004	1/2	12.7	30.00	762.0	.74
10C14-10FJSX-10FJSX-36	4479-0005	1/2	12.7	36.00	914.4	.82
10C14-10FJSX-10FJSX-42	4479-0006	1/2	12.7	42.00	1066.8	.89
10C14-10FJSX-10FJSX-48	4479-0007	1/2	12.7	48.00	1219.2	.97
10C14-10FJSX-10FJSX-54	4479-0008	1/2	12.7	54.00	1371.6	1.04
10C14-10FJSX-10FJSX-72	4479-0009	1/2	12.7	72.00	1828.8	1.27
10C14-10FJSX-10FJSX-84	4479-0010	1/2	12.7	84.00	2133.6	1.42

## C14 Assembly with Two Air Brake Compression (ABC) Couplings - Steel



Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
10C14-10ABC-10ABC-18	4479-0011	1/2	12.7	18.00	457.2	.74
10C14-10ABC-10ABC-24	4479-0012	1/2	12.7	24.00	609.6	.81

## C14 Assembly with Two Straight Tube Assembly (STA) Couplings - Steel



Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
10C14-10STA-10STA-18	4479-0013	1/2	12.7	18.00	457.2	.68
10C14-10STA-10STA-24	4479-0014	1/2	12.7	24.00	609.6	.76
10C14-10STA-10STA-36	4479-0015	1/2	12.7	36.00	914.4	.91

## C14 One Straight Tube Assembly (STA) and One Air Brake Compression (ABC) Couplings - Steel



Descr.	Prod. No.	⊖		L		Weight (Lbs.)
		"	mm	"	mm	
10C14-10STA-10ABC-18	4479-0016	1/2	12.7	18.00	457.2	.71
10C14-10STA-10ABC-24	4479-0017	1/2	12.7	24.00	609.6	.78
10C14-10STA-10ABC-36	4479-0018	1/2	12.7	36.00	914.4	.93
10C14-10STA-10ABC-48	4479-0019	1/2	12.7	48.00	1219.2	1.08
12C14-12STA-12ABC-24	4479-0022	5/8	15.9	24.00	609.6	1.08
12C14-12STA-12ABC-36	4479-0023	5/8	15.9	36.00	914.4	1.25
12C14-12STA-12ABC-48	4479-0024	5/8	15.9	48.00	1219.2	1.42

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

**NOTES**

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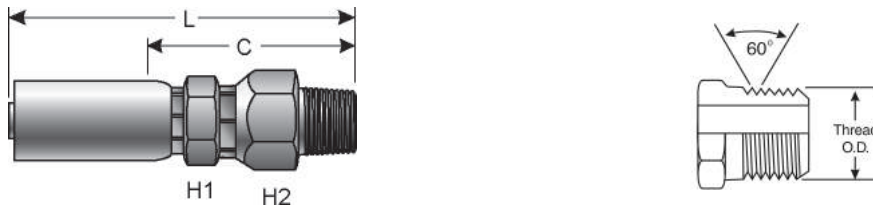
## Male Pipe (NPTF - 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	
2PCTS-2MP	7336-11985	1/8	3.2	1/8-27	1/2	1.34	34.0	.74	18.8	.03
2PCTS-4MP	7336-11995	1/8	3.2	1/4-18	1/2	1.53	38.9	.93	23.6	.05
3PCTS-2MP	7336-12005	3/16	4.8	1/8-27	9/16	1.94	49.3	1.08	27.4	.09
3PCTS-4MP	7336-12015	3/16	4.8	1/4-18	11/16	2.13	54.1	1.27	32.3	.11

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)

NOT TO BE USED AS A LIVE SWIVEL.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
2PCTS-2MPX	7337-11985	1/8	3.2	1/8-27	1/2	23/32	1.93	49.0	1.33	33.8	.07
3PCTS-2MPX	7337-12005	3/16	4.8	1/8-27	23/32	23/32	2.50	63.5	1.50	38.1	.07
3PCTS-4MPX	7337-12015	3/16	4.8	1/4-18	23/32	23/32	2.72	69.1	1.86	47.2	.09

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
2PCTS-3FJX	7338-11985	1/8	3.2	3/8-24	1/2	9/16	1.65	41.9	1.05	26.7	.05

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC. GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

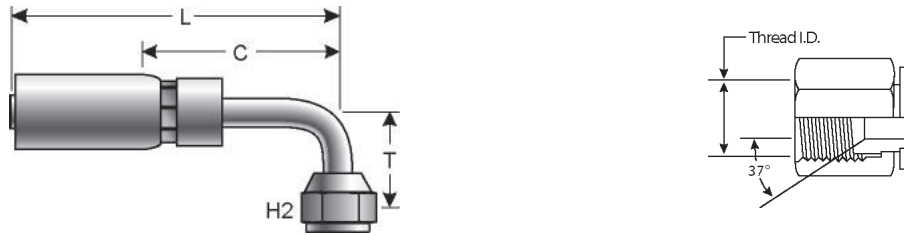
LIVE SWIVEL

BALL VALVES

ACCESSORIES

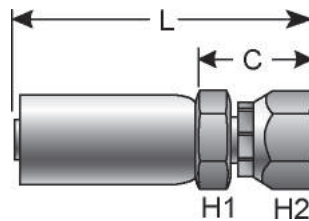
EQUIPMENT AND  
PARTS

## Female JIC 37° Flare Swivel - 90° Bent Tube



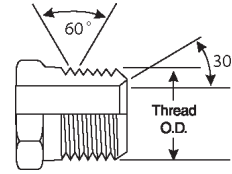
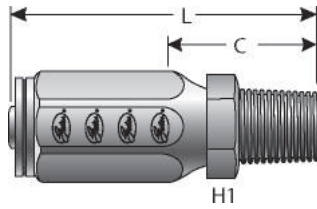
Descr.	Prod. No.	⊖		🌀	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	mm	"	mm	"	mm	
3PCTS-4FJX90S	7338-12695	3/16	4.8	7/16-20	9/16	.78	19.8	2.45	62.2	1.58	40.1	.15

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube



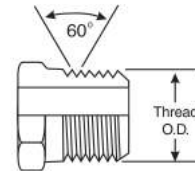
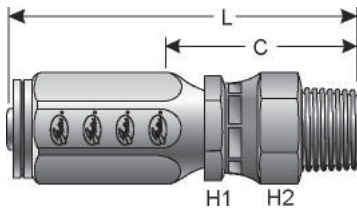
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
2PCTS-4FJSX	7338-11995	1/8	3.2	7/16-20	1/2	5/8	1.73	44.0	1.12	28.5	.06
3PCTS-4FJSX	7338-12005	3/16	4.8	7/16-20	9/16	5/8	2.23	56.6	1.16	29.5	.12

## Male Pipe (NPTF - 30° Cone Seat)



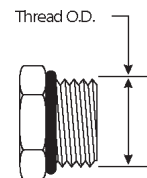
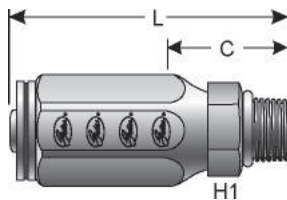
Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C1T-2RMP	7231-81241	1/4	6.4	1/8-27	1/2	2.30	58.4	1.29	32.8	.14
4C1T-4RMP	7231-81210	1/4	6.4	1/4-18	9/16	2.52	64.0	1.51	38.4	.14
6C1T-4RMP	7231-81242	3/8	9.5	1/4-18	9/16	2.68	68.1	1.54	39.1	.27
6C1T-6RMP	7231-81211	3/8	9.5	3/8-18	11/16	2.53	64.3	1.39	35.3	.28
8C1T-6RMP	7231-81243	1/2	12.7	3/8-18	11/16	3.05	77.5	1.70	43.2	.42
8C1T-8RMP	7231-81212	1/2	12.7	1/2-14	7/8	3.06	77.7	1.71	43.4	.42
8C1T-12RMP	7231-81244	1/2	12.7	3/4-14	1 1/16	3.13	79.5	1.87	47.5	.42
12C1T-12RMP	7231-81213	3/4	19.1	3/4-14	1 1/16	3.19	81.0	1.73	43.9	.73
16C1T-16RMP	7231-81214	1	25.4	1-11 1/2	1 3/8	3.78	96.0	2.10	53.3	1.00

## Male Pipe Swivel (NPTF - Without 30° Cone Seat)



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4C1T-4RMPX	7231-22445	1/4	6.4	1/4-18	7/16	7/8	3.18	80.8	2.17	55.1	.21
6C1T-6RMPX	7231-22455	3/8	9.5	3/8-18	5/8	7/8	3.51	89.2	2.23	56.6	.39
8C1T-8RMPX	7231-22465	1/2	12.7	1/2-14	3/4	1	3.99	101.4	2.63	66.8	.48
12C1T-12RMPX	7231-22475	3/4	19.1	3/4-14	1 1/16	1 5/16	4.27	108.5	2.73	69.3	.95

## Male O-Ring Boss



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C1T-6RMB	7231-22255	3/8	9.5	9/16-18	11/16	2.52	64.0	1.24	31.5	.28

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

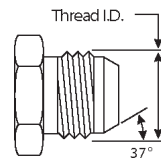
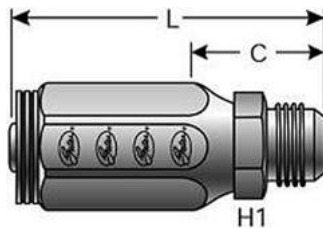
ACCESSORIES

EQUIPMENT AND  
PARTS

## Male O-Ring Boss - Continued

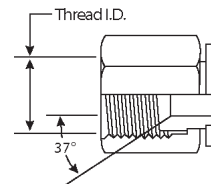
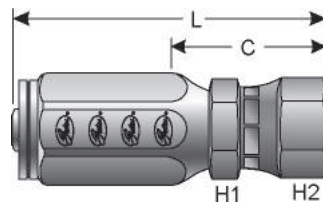
Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C1T-8RMB	7231-22265	3/8	9.5	3/4-16	7/8	2.59	65.8	1.32	33.5	.31
8C1T-8RMB	7231-22275	1/2	12.7	3/4-16	7/8	2.87	72.9	1.52	38.6	.38
8C1T-10RMB	7231-22285	1/2	12.7	7/8-14	1	3.11	79.0	1.76	44.7	.40

## Male JIC 37° Flare



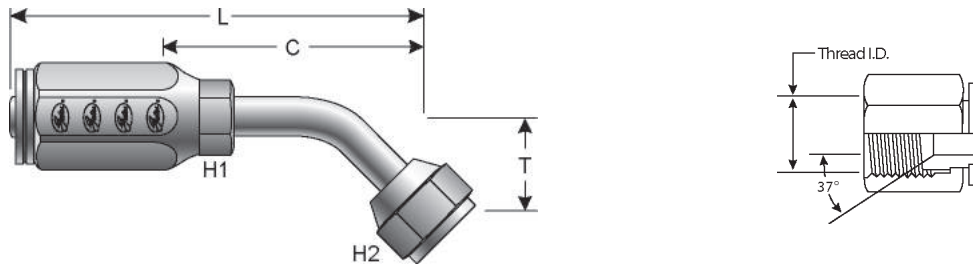
Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C1T-6RMJ	7231-22185	3/8	9.5	9/16-18	9/16	2.68	68.1	1.40	35.6	.27
8C1T-8RMJ	7231-22195	1/2	12.7	3/4-16	3/4	3.05	77.5	1.70	43.2	.44
8C1T-10RMJ	7231-22205	1/2	12.7	7/8-14	7/8	3.31	84.1	1.96	49.9	.48
12C1T-12RMJ	7231-22215	3/4	19.1	1 1/16-12	1 1/16	3.52	89.4	1.98	50.3	.78

## Female JIC 37° Flare Swivel



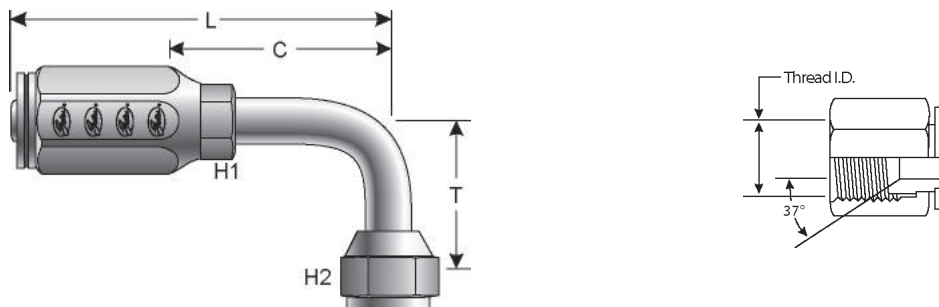
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4C1T-4RFJX	7231-81215	1/4	6.4	7/16-20	9/16	9/16	2.47	62.7	1.46	37.1	.16
4C1T-5RFJX	7231-81216	1/4	6.4	1/2-20	11/16	11/16	2.58	65.5	1.57	39.9	.17
6C1T-6RFJX	7231-81217	3/8	9.5	9/16-18	3/4	3/4	2.80	71.1	1.65	41.9	.29
6C1T-8RFJX	7231-81218	3/8	9.5	3/4-16	3/4	7/8	2.91	73.9	1.76	44.7	.34
8C1T-8RFJX	7231-81219	1/2	12.7	3/4-16	13/16	7/8	3.24	82.3	1.89	48.1	.43
8C1T-10RFJX	7231-81220	1/2	12.7	7/8-14	13/16	1 1/16	3.34	84.8	1.99	50.6	.49
12C1T-12RFJX	7231-81221	3/4	19.1	1 1/16-12	1 1/8	1 1/4	3.45	87.6	1.91	48.5	.75
16C1T-16RFJX	7231-81222	1	25.4	1 5/16-12	1 3/8	1 1/2	3.90	99.1	2.22	56.4	1.11

## Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C1T-4RFJX45	7231-22545	1/4	6.4	7/16-20	3/8	9/16	.33	8.4	2.80	71.1	1.79	45.5	.16
6C1T-6RFJX45	7231-22555	3/8	9.5	9/16-18	1/2	11/16	.39	9.9	3.37	85.6	1.79	45.5	.31
8C1T-8RFJX45	7231-22565	1/2	12.7	3/4-16	5/8	7/8	.55	14.0	4.11	104.4	2.10	53.3	.50
12C1T-12RFJX45	7231-22575	3/4	19.1	1 1/16-12	1 1/4	1 1/4	.78	19.8	4.70	119.4	3.16	80.3	.89

## Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C1T-4RFJX90	7231-22655	1/4	6.4	7/16-20	3/8	9/16	.68	17.3	2.69	68.3	1.68	42.7	.16
6C1T-6RFJX90	7231-22665	3/8	9.5	9/16-18	1/2	11/16	.85	21.6	3.28	83.3	2.00	50.8	.32
6C1T-8RFJX90	7231-22675	3/8	9.5	3/4-16	5/8	7/8	1.09	27.7	3.58	90.9	2.31	58.7	.40
8C1T-8RFJX90	7231-22685	1/2	12.7	3/4-16	5/8	7/8	1.09	27.7	3.86	98.1	2.51	63.8	.51
8C1T-10RFJX90	7231-22695	1/2	12.7	7/8-14	3/4	1	1.23	31.2	3.92	99.6	2.59	65.8	.59
12C1T-12RFJX90	7231-22705	3/4	19.1	1 1/16-12	1 1/4	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	.93

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Field Attachable Type T for G2 Hose [2 Wire]

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

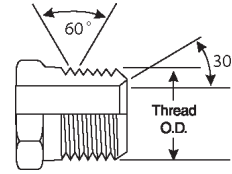
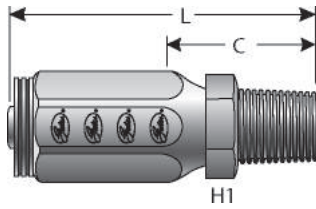
LIVE SWIVEL



BALL VALVES

ACCESSORIES

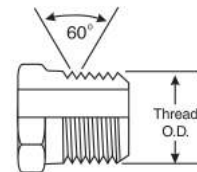
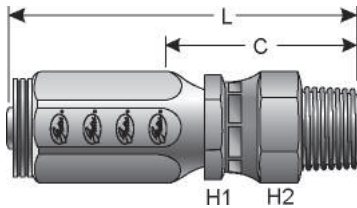
EQUIPMENT AND  
PARTS



### Male Pipe (NPTF - 30° Cone Seat)



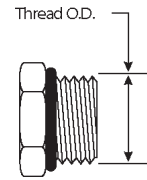
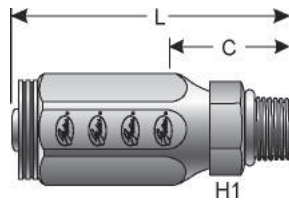
Descr.	Prod. No.				H1	L		C		Weight (Lbs.)
		"	mm	"	"	"	mm	"	mm	
4C2AT-2RMP	7231-81247	1/4	6.4	1/8-27	1/2	2.30	58.4	1.23	31.2	.14
4C2AT-4RMP	7231-81223	1/4	6.4	1/4-18	9/16	2.52	64.0	1.45	36.8	.17
6C2AT-4RMP	7231-81248	3/8	9.5	1/4-18	9/16	2.68	68.1	1.45	36.8	.28
6C2AT-6RMP	7231-81224	3/8	9.5	3/8-18	11/16	2.53	64.3	1.30	33.0	.31
8C2AT-6RMP	7231-81249	1/2	12.7	3/8-18	11/16	3.05	77.5	1.63	41.4	.42
8C2AT-8RMP	7231-81225	1/2	12.7	1/2-14	7/8	3.06	77.7	1.64	41.7	.43
8C2AT-12RMP	7231-81251	1/2	12.7	3/4-14	1 1/16	3.13	79.5	1.71	43.4	.42
12C2AT-12RMP	7231-81226	3/4	19.1	3/4-14	1 1/16	3.19	81.0	1.65	41.9	.64
16C2AT-16RMP	7231-81227	1	25.4	1-11 1/2	1 3/8	3.78	96.0	2.04	51.8	1.12
20C2AT-20RMP	7231-81228	1 1/4	31.8	1 1/4-11 1/2	1 3/4	4.59	116.6	2.49	63.3	2.44
24C2AT-24RMP	7231-81252	1 1/2	38.1	1 1/2-11 1/2	2	5.18	131.6	2.68	68.1	3.08

### Male Pipe Swivel (NPTF - Without 30° Cone Seat)



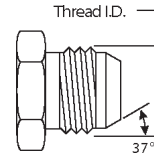
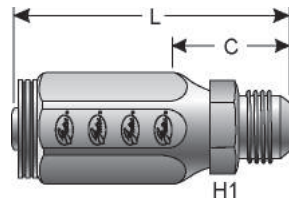
Descr.	Prod. No.				H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4C2AT-4RMPX	7231-22495	1/4	6.4	1/4-18	7/16	11/16	3.18	80.8	2.11	53.6	.21
6C2AT-6RMPX	7231-22505	3/8	9.5	3/8-18	5/8	7/8	3.51	89.2	2.27	57.7	.39
8C2AT-8RMPX	7231-22515	1/2	12.7	1/2-14	3/4	1	3.99	101.4	2.56	65.0	.54
12C2AT-12RMPX	7231-22525	3/4	19.1	3/4-14	1 1/16	1 5/16	4.27	108.5	2.73	69.3	.96

## Male O-Ring Boss



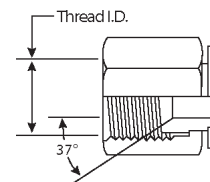
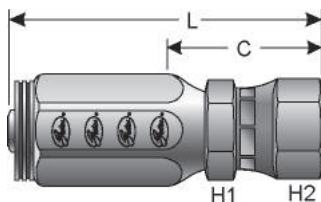
Descr.	Prod. No.	⌀			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C2AT-6RMB	7231-22355	3/8	9.5	9/16-18	11/16	2.52	64.0	1.28	32.5	.27
6C2AT-8RMB	7231-22365	3/8	9.5	3/4-16	7/8	2.59	65.8	1.36	34.5	.30
8C2AT-8RMB	7231-22375	1/2	12.7	3/4-16	7/8	2.87	72.9	1.45	36.8	.42
8C2AT-10RMB	7231-22385	1/2	12.7	7/8-14	1	3.11	79.0	1.59	40.4	.44

## Male JIC 37° Flare



Descr.	Prod. No.	⌀			H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
6C2AT-6RMJ	7231-22025	3/8	9.5	9/16-18	9/16	2.68	68.1	1.45	36.8	.26
8C2AT-8RMJ	7231-22045	1/2	12.7	3/4-16	3/4	3.05	77.5	1.63	41.4	.48
8C2AT-10RMJ	7231-22055	1/2	12.7	7/8-14	7/8	3.31	84.1	1.89	48.1	.52
12C2AT-12RMJ	7231-22065	3/4	19.1	1 1/16-12	1 1/16	3.52	89.4	1.98	50.3	.79

## Female JIC 37° Flare Swivel



Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4C2AT-4RFJX	7231-81229	1/4	6.4	7/16-20	9/16	9/16	2.47	62.7	1.40	35.6	.17
4C2AT-5RFJX	7231-81230	1/4	6.4	1/2-20	11/16	11/16	2.58	65.5	1.57	39.9	.18
6C2AT-6RFJX	7231-81231	3/8	9.5	9/16-18	3/4	3/4	2.80	71.1	1.56	39.6	.32
6C2AT-8RFJX	7231-81232	3/8	9.5	3/4-16	3/4	3/4	2.91	73.9	1.67	42.4	.37
8C2AT-8RFJX	7231-81233	1/2	12.7	3/4-16	13/16	7/8	3.24	82.3	1.82	46.2	.46
8C2AT-10RFJX	7231-81234	1/2	12.7	7/8-14	13/16	1 1/16	3.34	84.8	1.92	48.8	.53
12C2AT-12RFJX	7231-81235	3/4	19.1	1 1/16-12	1 1/8	1 1/2	3.45	87.6	1.91	48.5	.66

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

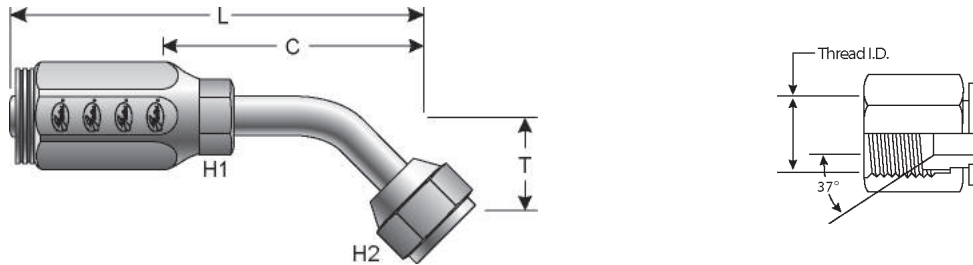
ACCESSORIES

EQUIPMENT AND  
PARTS

Female JIC 37° Flare Swivel - Continued

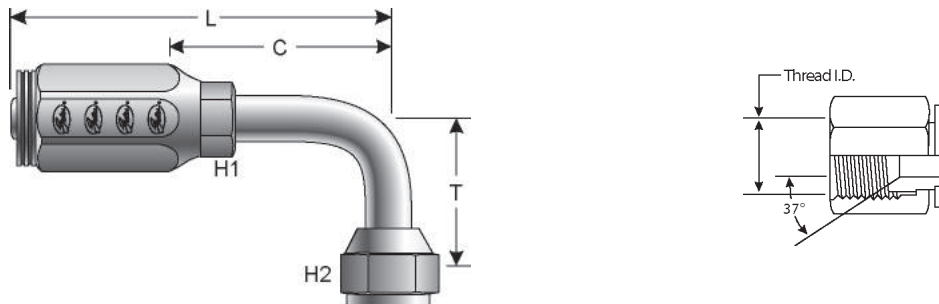
Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
16C2AT-16RFJX	7231-81236	1	25.4	1 5/16-12	1 3/8	1 1/2	3.90	99.1	2.16	54.9	1.24
20C2AT-20RFJX	7231-81237	1 1/4	31.8	1 5/12-12	1 7/8	2	4.85	123.2	2.74	69.6	3.01
24C2AT-24RFJX	7231-81254	1 1/2	38.1	1 7/8-12	2 1/8	2 1/4	5.26	133.6	2.76	70.1	3.69

Female JIC 37° Flare Swivel - 45° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C2AT-4RFJX45	7231-22595	1/4	6.4	7/16-20	3/8	9/16	.33	8.4	2.80	71.1	1.73	43.9	.16
6C2AT-6RFJX45	7231-22605	3/8	9.5	9/16-18	1/2	11/16	.39	9.9	3.37	85.6	2.14	54.4	.30
8C2AT-8RFJX45	7231-22615	1/2	12.7	3/4-16	5/8	7/8	.55	14.0	4.11	104.4	2.68	68.1	.54
12C2AT-12RFJX45	7231-22625	3/4	19.1	1 1/16-12	7/8	1 1/4	.78	19.8	4.70	119.4	3.16	80.3	.90

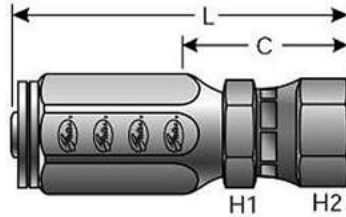
Female JIC 37° Flare Swivel - 90° Bent Tube



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C2AT-4RFJX90	7231-22755	1/4	6.4	7/16-20	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.2	.16
6C2AT-6RFJX90	7231-22765	3/8	9.5	9/16-18	1/2	11/16	.85	21.6	3.28	83.3	2.04	51.8	.31
6C2AT-8RFJX90	7231-22775	3/8	9.5	3/4-16	5/8	7/8	1.09	27.7	3.58	90.9	2.35	59.7	.39
8C2AT-8RFJX90	7231-22785	1/2	12.7	3/4-16	5/8	7/8	1.09	27.7	3.86	98.1	2.42	61.5	.55
8C2AT-10RFJX90	7231-22795	1/2	12.7	7/8-14	3/4	1	1.23	31.2	3.92	99.6	2.50	63.5	.64
12C2AT-12RFJX90	7231-22805	3/4	19.1	1 1/16-12	7/8	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	.94

## Female Flat-Face O-Ring Swivel

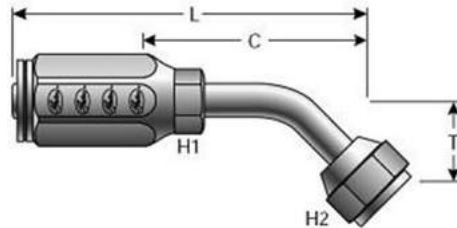
SAE J1453 O-Ring Face Seal.





Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
4C2AT-4RFFORX	7231-14105	1/4	6.4	9/16-18	43/64	43/64	2.50	63.5	1.43	36.3	.16
6C2AT-6RFFORX	7231-14125	3/8	9.5	11/16-16	7/8	7/8	2.88	73.2	1.64	41.7	.34
8C2AT-8RFFORX	7231-14145	1/2	12.7	13/16-16	61/64	61/64	3.37	85.6	1.94	49.3	.46
12C2AT-12RFFORX	7231-14165	3/4	19.1	1 13/16-16	1 1/8	1 13/32	2.03	51.6	3.57	90.7	.81

## Female Flat-Face O-Ring Swivel - 45° Bent Tube

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.				H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
4C2AT-4RFFORX45S	7231-14305	1/4	6.4	9/16-18	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.2	.16
6C2AT-6RFFORX45S	7231-14325	3/8	9.5	11/16-16	1/2	11/16	.85	21.6	3.28	83.3	2.04	51.8	.29
8C2AT-8RFFORX45S	7231-14345	1/2	12.7	13/16-16	5/8	7/8	1.09	27.7	3.86	98.1	2.42	61.5	.46
12C2AT-12RFFORX45S	7231-14365	3/4	19.1	1 13/16-12	7/8	1 1/4	1.82	46.2	4.59	116.6	3.05	77.5	.86

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBAL SPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC. GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

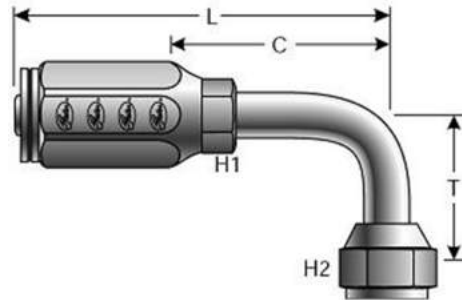
ACCESSORIES

EQUIPMENT AND PARTS



## Female Flat-Face O-Ring Swivel - 90° Bent Tube

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C2AT-4RFFORX90S	7231-14505	1/4	6.4	9/16-18	3/8	9/16	.68	17.3	2.69	68.3	1.62	41.2	.17
6C2AT-6RFFORX90S	7231-14525	3/8	9.5	11/16-16	1/2	11/16	.85	21.6	3.28	83.3	2.04	51.8	.31
8C2AT-8RFFORX90S	7231-14545	1/2	12.7	13/16-16	5/8	7/8	1.09	27.7	3.86	98.1	2.42	61.5	.47

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

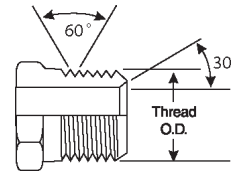
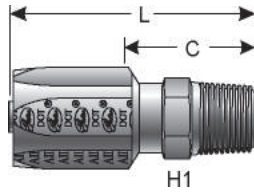
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Pipe (NPTF - 30° Cone Seat) - Steel

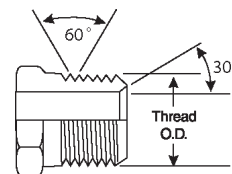
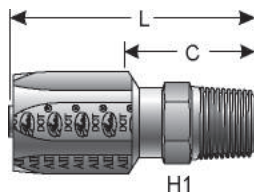
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C5-2RMP	7236-04015	3/16	4.8	1/8-27	1/2	1.64	41.7	.94	23.9	.08
4C5-4RMP	7236-04025	3/16	4.8	1/4-18	9/16	1.83	46.5	1.13	28.7	.11
5C5X-2RMP	7237-00145	1/4	6.4	1/8-27	1/2	1.77	45.0	1.00	25.4	.10
5C5X-4RMP	7237-00155	1/4	6.4	1/4-18	9/16	1.96	49.8	1.19	30.2	.10
6C5-4RMP	7236-04055	5/16	7.9	1/4-18	9/16	2.17	55.1	1.22	31.0	.15
6C5-6RMP	7236-04275	5/16	7.9	3/8-18	11/16	2.17	55.1	1.22	31.0	.14
8C5X-6RMP	7237-00195	13/32	10.3	3/8-18	11/16	2.46	62.5	1.34	34.0	.20
8C5X-8RMP	7237-00205	13/32	10.3	1/2-14	7/8	2.71	68.8	1.59	40.4	.32
10C5-8RMP	7236-04085	1/2	12.7	1/2-14	1 1/16	2.88	73.2	1.59	40.4	.38
10C5-12RMP	7236-04095	1/2	12.7	3/4-14	1	2.95	74.9	1.66	42.2	.48
12C5X-8RMP	7237-00235	5/8	15.9	1/2-14	7/8	3.15	80.0	1.59	40.4	.41
12C5X-12RMP	7237-00245	5/8	15.9	3/4-14	1 1/16	3.25	82.6	1.69	42.9	.51
16C5-12RMP	7236-86412	7/8	22.2	3/4-14	1 1/8	2.71	68.8	1.53	38.9	.60
16C5-16RMP	7236-86413	7/8	22.2	1-11 1/2	1 3/8	2.90	73.7	1.72	43.7	.73
20C5-20RMP	7236-86428	1 1/8	28.6	1 1/4-11 1/2	1 11/16	3.25	82.6	1.88	47.8	1.15
24C5-24RMP	7236-86388	1 3/8	34.9	1 1/2-11 1/2	2	3.45	87.6	2.03	51.6	1.56
32C5-32RMP	7236-86389	1 13/16	46.0	2-11 1/2	2 1/2	4.07	103.4	2.22	56.4	2.30

## Male Pipe (NPTF - 30° Cone Seat) - Brass

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
5C5-4RMPB	7236-03005	1/4	6.4	1/4-18	9/16	1.96	49.8	1.19	30.2	.10
6C5-6RMPB	7236-03015	5/16	7.9	3/8-18	11/16	2.17	55.1	1.22	31.0	.18
8C5-8RMPB	7236-03085	13/32	10.3	1/2-14	7/8	2.71	68.8	1.59	40.4	.29
10C5-8RMPB	7236-03035	1/2	12.7	1/2-14	7/8	2.88	73.2	1.59	40.4	.39
12C5-12RMPB	7236-03045	5/8	15.9	3/4-14	1 1/16	3.26	82.8	1.69	42.9	.53
16C5-16RMPB	7236-03065	7/8	22.2	1-11 1/2	1 3/8	2.91	73.9	1.72	43.7	.71

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

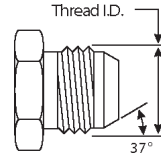
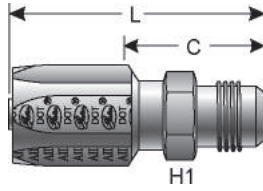
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

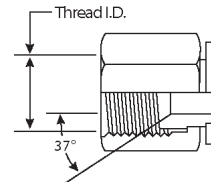
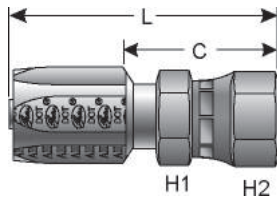
## Male JIC 37° Flare - Steel



Descr.	Prod. No.	⌀		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C5-4RMJ	7236-86431	3/16	4.8	7/16-20	1/2	1.79	45.5	1.09	27.7	.08
5C5X-5RMJ	7237-00655	1/4	6.4	1/2-20	1/2	1.96	49.8	1.19	30.2	.10
6C5-6RMJ	7236-86433	5/16	7.9	9/16-18	9/16	2.17	55.1	1.22	31.0	.15
8C5X-8RMJ	7237-00675	13/32	10.3	3/4-16	3/4	2.56	65.0	1.44	36.6	.26
10C5-10RMJ	7236-86435	1/2	12.7	7/8-14	7/8	2.88	73.2	1.59	40.4	.37
12C5X-12RMJ	7237-00695	5/8	15.9	1 1/16-12	1 1/16	3.34	84.8	1.78	45.2	.52
16C5-16RMJ	7236-86437	7/8	22.2	1 5/16-12	1 5/16	2.87	72.9	1.69	42.9	.67

## Female JIC 37° Flare Swivel - Steel

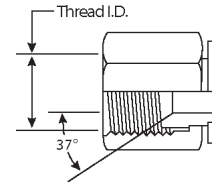
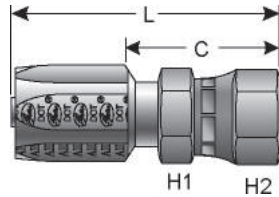
DOT FMVSS 106-74 Type All.




Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
6C5-6RFJX	7238-86443	5/16	7.9	9/16-18	3/4	3/4	2.39	60.7	1.44	36.6	.17
8C5X-6RFJX	7237-00415	13/32	10.3	9/16-18	3/4	3/4	2.66	67.6	1.54	39.1	.23
10C5-12RFJX	7238-04325	1/2	12.7	1 1/16-12	1 1/4	1 1/4	3.22	81.8	1.93	49.0	.23
12C5X-12RFJX	7237-00455	5/8	15.9	1 1/8-12	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.48
16C5-16RFJX	7238-86447	7/8	22.2	1 5/16-12	1 1/2	1 1/2	3.12	79.3	1.94	49.3	.75
20C5-20RFJX	7238-86394	1 1/8	28.6	1 5/8-12	2	2	3.56	90.4	2.19	55.6	1.55
24C5-24RFJX	7238-86395	1 3/8	34.9	1 7/8-12	2 1/4	2 1/4	3.79	96.3	2.37	60.2	1.85
32C5-32RFJX	7238-86396	1 13/16	46.0	2 1/2-12	2 1/2	2 7/8	4.99	126.8	2.72	69.1	2.74

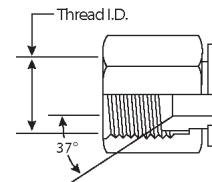
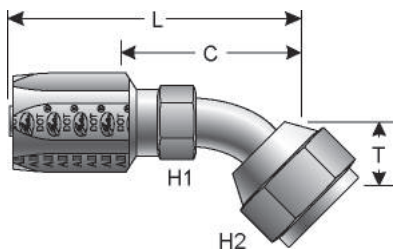
## Female JIC 37° Flare Swivel - Brass


DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
6C5-6RFJXB	7238-04075	5/16	7.9	9/16-18	3/4	3/4	2.39	60.7	1.44	36.6	.18
12C5-12RFJXB	7238-04085	5/8	15.9	1 1/16-12	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.68
16C5-16RFJXB	7238-04095	7/8	22.2	1 5/16-12	1 1/2	1 1/2	3.12	79.3	1.94	49.3	.80

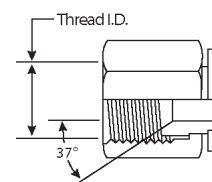
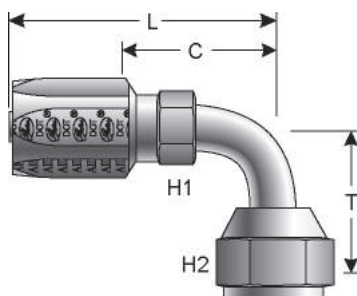
## Female JIC 37° Flare Swivel - 45° Bent Tube - Steel




Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
6C5-6RFJX45	7235-86464	5/16	7.9	9/16-18	1/2	11/16	.41	10.4	2.40	61.0	1.45	36.8	.15
12C5X-12RFJX45S	7237-00535	5/8	15.9	1 1/16-12	7/8	1 1/4	.78	19.8	4.27	108.5	2.71	68.8	.65
16C5-16RFJX45	7235-86468	7/8	22.2	1 5/16-12	—	1 1/2	.88	22.4	4.03	102.4	2.84	72.1	.88

## Female JIC 37° Flare Swivel - 90° Bent Tube - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
6C5-6RFJX90	7235-86471	5/16	7.9	9/16-18	1/2	11/16	.84	21.3	2.28	57.9	1.33	33.8	.17
6C5-6RFJX90L	7235-04205	5/16	7.9	9/16-18	1/2	11/16	2.19	55.6	2.28	57.9	1.33	33.8	.02

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

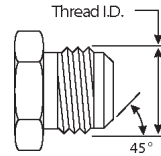
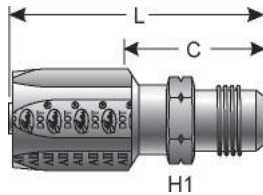
ACCESSORIES

EQUIPMENT AND  
PARTS

## Female JIC 37° Flare Swivel - 90° Bent Tube - Steel - Continued

Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	"	mm	
12C5X-12RFJX90L	7237-00555	5/8	15.9	1 1/16-12	7/8	1 1/4	3.75	95.3	4.22	107.2	2.66	67.6	.77
12C5X-12RFJX90S	7237-00545	5/8	15.9	1 1/16-12	7/8	1 1/4	1.81	46.0	4.22	107.2	2.66	67.6	.70
16C5-16RFJX90	7235-86475	7/8	22.2	1 5/16-12	—	1 1/2	2.16	54.9	3.95	100.3	2.76	70.1	.94
16C5-16RFJX90L	7235-86482	7/8	22.2	1 5/16-12	—	1 1/2	4.34	110.2	3.95	100.3	2.76	70.1	1.06
20C5-20RFJX90L	7235-20255	1 1/8	28.6	1 5/8-12	—	2	5.50	139.7	5.26	133.6	3.89	98.8	2.20
20C5-20RFJX90S	7235-20265	1 1/8	28.6	1 5/8-12	—	2	2.75	69.9	5.07	128.8	3.70	94.0	1.89

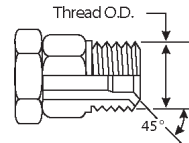
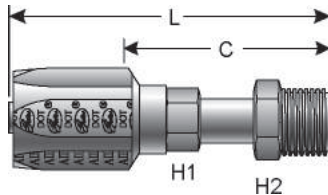
## Male SAE 45° Flare - Steel



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C5-4RMS	7236-86414	3/16	4.8	1/2-20	1/2	1.76	44.7	1.06	26.9	.08
5C5X-5RMS	7237-00725	1/4	6.4	1/2-20	1/2	1.96	49.8	1.19	30.2	.10
6C5-6RMS	7236-86416	5/16	7.9	5/8-18	5/8	2.23	56.6	1.28	32.5	.15
8C5X-8RMS	7237-00745	13/32	10.3	3/4-16	3/4	2.65	67.3	1.53	38.9	.27
10C5-10RMS	7236-86418	1/2	12.7	7/8-14	7/8	3.01	76.5	1.72	43.7	.40
12C5X-12RMS	7237-00765	5/8	15.9	1 1/16-14	1 1/16	3.50	88.9	1.94	49.3	.60

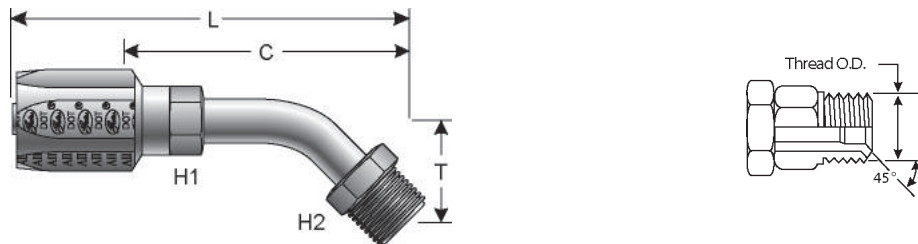
## Male SAE 45° Flare Inverted Swivel - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4C5-4RMIX	7235-86372	3/16	4.8	7/16-24	7/16	7/16	2.41	61.2	1.72	43.7	.13
5C5X-5RMIX	7237-01155	1/4	6.4	1/2-20	7/16	1/2	2.63	66.8	1.84	46.7	.16
5C5X-6RMIX	7237-01165	1/4	6.4	5/8-18	1/2	5/8	2.59	65.8	1.82	46.2	.90
6C5-5RMIX	7235-01035	5/16	7.9	1/2-20	1/2	1/2	2.60	66.0	1.65	41.9	.14
6C5-6RMIX	7235-86382	5/16	7.9	5/8-18	1/2	5/8	2.86	72.6	1.91	48.5	.15
6C5-8RMIX	7235-01055	5/16	7.9	3/4-16	5/8	3/4	3.23	82.0	2.28	57.9	.21
8C5X-6RMIX	7237-01205	13/32	10.3	5/8-18	5/8	5/8	3.13	79.5	2.01	51.1	.24
8C5X-8RMIX	7237-01215	13/32	10.3	3/4-16	5/8	3/4	3.49	88.7	2.37	60.2	.27

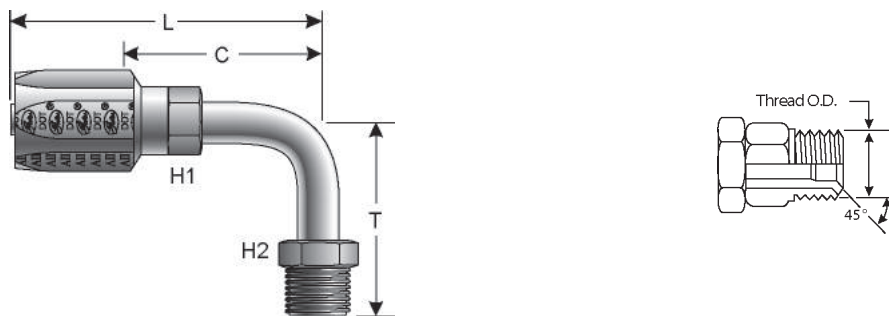
## Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5-4RMIX45	7235-05005	3/16	4.8	7/16-24	7/16	7/16	.62	15.8	2.18	55.4	1.48	37.6	.10
6C5-6RMIX45	7235-05015	5/16	7.9	5/8-18	1/2	5/8	.94	23.9	3.03	77.0	2.09	53.1	.17
8C5X-8RMIX45-028	7237-01245	13/32	10.3	3/4-16	5/8	3/4	1.09	27.7	3.44	87.4	2.32	58.9	.29

## Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5-4RMIX90	7235-05105	3/16	4.8	7/16-24	7/16	7/16	1.56	39.6	2.17	55.1	1.47	37.3	.11
5C5X-5RMIX90-042	7237-01265	1/4	6.4	1/2-20	7/16	1/2	1.66	42.2	2.43	61.7	1.66	42.2	.17
6C5-6RMIX90	7235-86387	5/16	7.9	5/8-18	1/2	5/8	1.69	42.9	2.64	67.1	1.69	42.9	.18
6C5-8RMIX90	7235-05135	5/16	7.9	3/4-16	5/8	3/4	1.78	45.2	2.73	69.3	1.78	45.2	.23
8C5X-6RMIX90-043	7237-01295	13/32	10.3	5/8-18	5/8	5/8	1.69	42.9	2.81	71.4	1.69	42.9	.24
8C5X-8RMIX90-045	7237-01305	13/32	10.3	3/4-16	5/8	3/4	1.78	45.2	2.90	73.7	1.78	45.2	.29

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC. GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

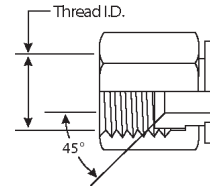
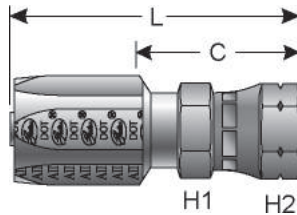
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female SAE 45° Flare Swivel - Steel

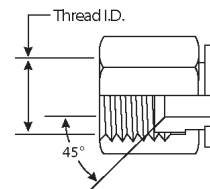
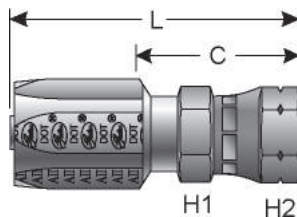
DOT FMVSS 106-74 Type All.




Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
6C5-6RFSX	7238-04235	5/16	7.9	5/8-18	3/4	3/4	2.42	61.5	1.47	37.3	.18
10C5-12RFSX	7238-04335	1/2	12.7	1 1/16-14	1 1/4	1 1/4	3.22	81.8	1.93	49.0	.56
12C5X-12RFSX	7237-00795	5/8	15.9	1 1/16-14	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.64

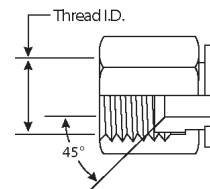
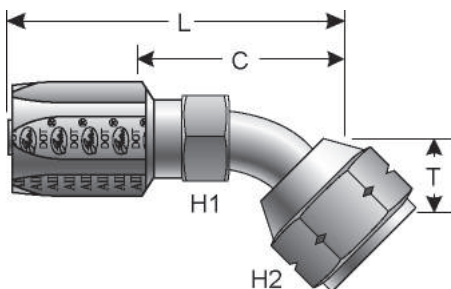
## Female SAE 45° Flare Swivel - Brass


DOT FMVSS 106-74 Type All.



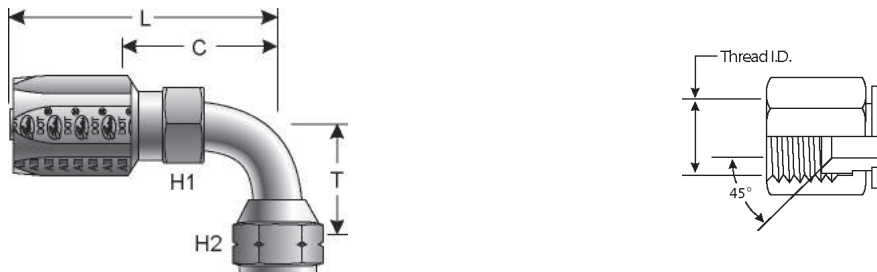
Descr.	Prod. No.	⌀			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
6C5-6RFSXB	7238-04045	5/16	7.9	5/8-18	3/4	3/4	2.42	61.5	1.47	37.3	.22
12C5-12RFSXB	7238-04055	5/8	15.9	1 1/16-14	1 1/4	1 1/4	3.50	88.9	1.94	49.3	.66



## Female SAE 45° Flare Swivel - 45° Bent Tube - Steel



Descr.	Prod. No.	⌀			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
6C5-6RFSX45	7235-04855	5/16	7.9	5/8-18	1/2	3/4	.41	10.4	2.42	61.5	1.47	37.3	.18
12C5X-12RFSX45S	7237-00835	5/8	15.9	1 1/16-14	7/8	1 1/4	.74	18.8	4.27	108.5	2.71	68.8	.66

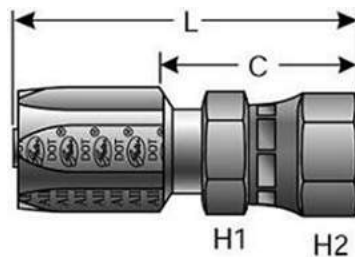
## Female SAE 45° Flare Swivel - 90° Bent Tube - Steel




Descr.	Prod. No.				H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
6C5-6RFSX90	7235-04915	5/16	7.9	5/8-18	1/2	3/4	.84	21.3	2.28	57.9	1.33	33.8	.19
6C5-6RFSX90L	7235-86497	5/16	7.9	5/8-18	1/2	3/4	2.19	55.6	2.28	57.9	1.22	31.0	.21
12C5X-12RFSX90L	7237-00855	5/8	15.9	1 1/16-14	7/8	1 1/4	3.75	95.3	4.22	107.2	2.16	54.9	.78
12C5X-12RFSX90S	7237-00845	5/8	15.9	1 1/16-14	7/8	1 1/4	1.81	46.0	4.72	119.9	2.66	67.6	.70

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	
4C5-4RFJSX	7238-04215	3/16	4.8	7/16-20	9/16	9/16	1.92	48.8	1.22	31.0	.20
5C5X-4RFJSX	7237-00875	1/4	6.4	7/16-20	9/16	9/16	2.05	52.1	1.28	32.5	.10
5C5X-5RFJSX	7237-00885	1/4	6.4	1/2-20	11/16	11/16	2.11	53.6	1.34	34.0	.14
6C5-8RFJSX	7238-04295	5/16	7.9	3/4-16	7/8	7/8	2.48	63.0	1.53	38.9	.25
8C5X-8RFJSX	7237-00905	13/32	10.3	3/4-16	7/8	7/8	2.75	69.9	1.63	41.4	.28
10C5-8RFJSX	7238-04315	1/2	12.7	3/4-16	7/8	7/8	2.93	74.4	1.64	41.7	.35
10C5-10RFJSX	7238-04255	1/2	12.7	7/8-14	1 1/16	1 1/16	3.10	78.7	1.81	46.0	.44

HOSE

HOSE/CPLG. SELECTION

G8K COUPLINGS

GLOBALSPIRAL COUPLINGS

PCM / PCS FERRULES

MEGACRIMP COUPLINGS

STAINLESS STEEL

POWER CRIMP COUPLINGS

LOC, GL AND GLP COUPLINGS

POLARSEAL COUPLINGS

POLARSEAL II COUPLINGS

C14 COUPLINGS

PCTS THERMOPLASTIC COUPLINGS

FIELD ATTACHABLE G1 & G2 COUPLINGS

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

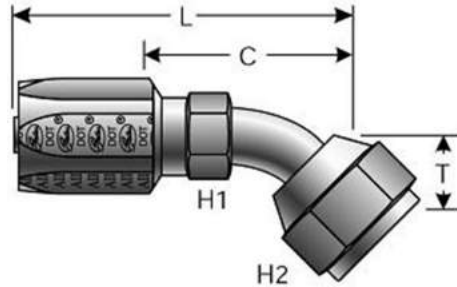
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

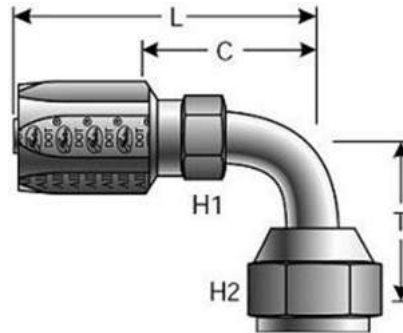
## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel

DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
4C5-4RFJSX45	7235-20005	3/16	4.8	7/16-20	7/16	9/16	.34	8.6	1.90	48.3	1.21	30.7	.06
5C5X-5RFJSX45S	7237-00945	1/4	6.4	1/2-20	7/16	5/8	.38	9.7	2.11	53.6	1.34	34.0	.16
6C5-8RFJSX45	7235-20045	5/16	7.9	3/4-16	5/8	7/8	.56	14.2	2.71	68.8	1.76	44.7	.21
8C5X-8RFJSX45S	7237-00965	13/32	10.3	3/4-16	5/8	7/8	.56	14.2	2.98	75.7	1.86	47.2	.30
10C5-10RFJSX45	7235-20035	1/2	12.7	7/8-14	3/4	1	.63	16.0	3.60	91.4	2.31	58.7	.45

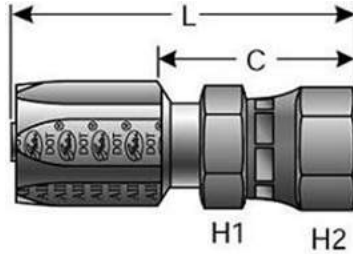
## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
4C5-4RFJSX90	7235-20105	3/16	4.8	7/16-20	7/16	9/16	.69	17.5	1.78	45.2	1.08	27.4	.06
4C5-4RFJSX90L	7235-20205	3/16	4.8	7/16-20	7/16	9/16	1.81	46.0	1.78	45.2	1.08	27.4	.07
5C5X-5RFJSX90L	7237-01015	1/4	6.4	1/2-20	7/16	5/8	1.78	45.2	2.02	51.3	1.25	31.8	.17
5C5X-5RFJSX90S	7237-01005	1/4	6.4	1/2-20	7/16	5/8	.78	19.8	2.02	51.3	1.25	31.8	.16
8C5X-8RFJSX90L	7237-01035	13/32	10.3	3/4-16	5/8	7/8	2.44	62.0	2.79	70.9	1.67	42.4	.31
8C5X-8RFJSX90S	7237-01025	13/32	10.3	3/4-16	5/8	7/8	1.09	27.7	2.79	70.9	1.67	42.4	.29
10C5-10RFJSX90	7235-20135	1/2	12.7	7/8-14	3/4	1	1.25	31.8	3.41	86.6	2.12	53.9	.47
10C5-10RFJSX90L	7235-20235	1/2	12.7	7/8-14	3/4	1	2.56	65.0	3.41	86.6	2.12	53.9	.51

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Brass

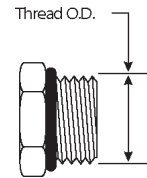
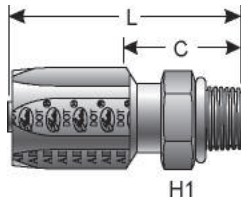
DOT FMVSS 106-74 Type All.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
5C5-5RFJSXB	7238-04005	1/4	6.4	1/2-20	11/16	11/16	2.11	53.6	1.34	34.0	.15
8C5-8RFJSXB	7238-04015	13/32	10.3	3/4-16	7/8	7/8	2.75	69.9	1.63	41.4	.32
10C5-10RFJSXB	7238-04025	1/2	12.7	7/8-14	1 1/16	1 1/16	3.10	78.7	1.81	46.0	.44

## Male O-Ring Boss - Steel

DOT FMVSS 106-74 Type All.

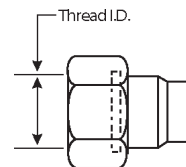
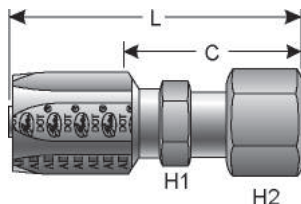


Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C5-4RMB	7236-86451	3/16	4.8	7/16-20	5/8	1.66	42.2	.94	23.9	.08
6C5-6RMB	7236-86453	5/16	7.9	9/16-18	11/16	2.00	50.8	1.05	26.7	.15
8C5X-8RMB	7237-00635	13/32	10.3	3/4-16	15/16	2.35	59.7	1.19	30.2	.25

## Female Flat-Face Swivel - Steel

DOT FMVSS 106-74 Type All.

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
4C5-4RFFORX	7238-01505	3/16	4.8	9/16-18	9/16	11/16	2.07	52.6	1.32	33.5	.15
6C5-6RFFORX	7238-01265	5/16	7.9	11/16-16	1/2	13/16	2.53	64.3	1.58	40.1	.15
8C5X-8RFFORX	7237-01085	13/32	10.3	13/16-16	13/16	15/16	2.92	74.2	1.77	45.0	.29

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

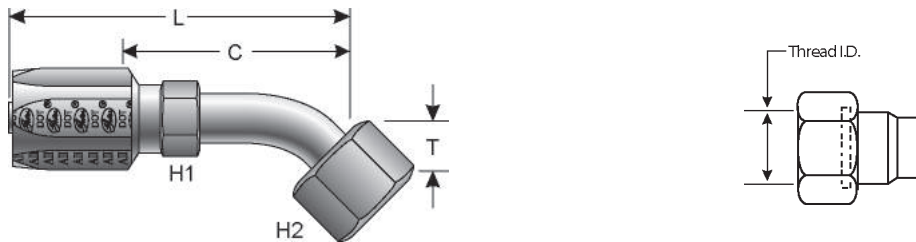
EQUIPMENT AND  
PARTS


## Female Flat-Face Swivel - Steel - Continued

Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
10C5-10RFFORX	7238-01545	1/2	12.7	1-14	15/16	1 1/8	3.23	82.0	1.94	49.3	.43
12C5X-12RFFORX	7237-01105	5/8	15.9	1 3/16-12	7/8	1 3/8	3.70	94.0	2.12	53.9	.70

## Female Flat-Face Swivel - 45° Bent Tube - Steel

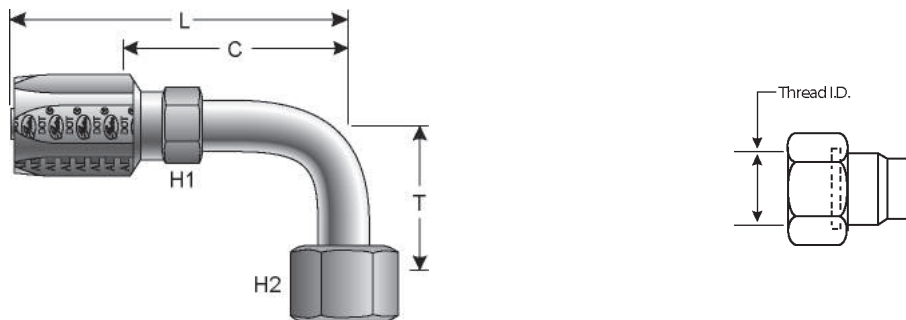
SAE J1453 O-Ring Face Seal.




Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5-4RFFORX45	7235-05275	3/16	4.8	9/16-18	1/2	11/16	.41	10.4	2.42	61.5	1.67	42.4	.06

## Female Flat-Face Swivel - 90° Bent Tube - Steel

SAE J1453 O-Ring Face Seal.



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5-4RFFORX90	7235-05285	3/16	4.8	1/2-20	1/2	11/16	.82	20.8	2.17	55.1	1.42	36.1	.07
6C5-6RFFORX90S	7235-05305	5/16	7.9	5/8-18	1/2	13/16	.90	22.9	2.77	70.4	1.82	46.2	.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

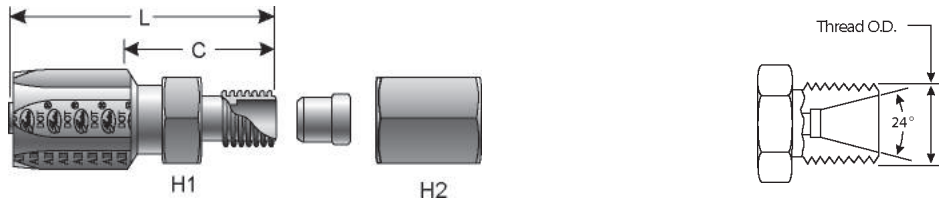
LIVE SWIVEL

BALL VALVES

ACCESSORIES

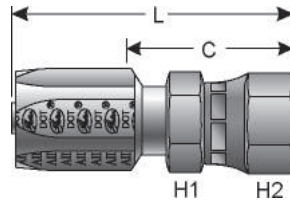
EQUIPMENT AND  
PARTS

## SAE Male Flareless Assembly - Steel



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
4C5-4RMFA	7236-04855	3/16	4.8	7/16-20	1/2	9/16	1.81	46.0	1.06	26.9	.33
5C5X-5RMFA	7237-01325	1/4	6.4	1/2-20	9/16	5/8	1.91	48.5	1.12	28.5	.35
6C5-4RMFA	7236-04875	5/16	7.9	7/16-20	9/16	9/16	2.03	51.6	1.13	28.7	.36
6C5-6RMFA	7236-04885	5/16	7.9	5/8-18	5/8	11/16	2.05	52.1	1.15	29.2	.38
8C5X-8RMFA	7237-01355	13/32	10.3	3/4-16	13/16	7/8	2.52	64.0	1.37	34.8	.52
10C5-10RMFA	7236-04905	1/2	12.7	7/8-14	15/16	1	2.77	70.4	1.48	37.6	.73

## Female Air Brake Swivel - Steel



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
6C5-6RFABX	7238-04425	5/16	7.9	3/4-20	7/8	7/8	2.29	58.2	1.34	34.0	.23
8C5X-6RFABX	7237-01395	13/32	10.3	3/4-20	7/8	7/8	2.60	66.0	1.48	37.6	.28

## Parker Triple Thread Female Swivel - Steel



Descr.	Prod. No.	⌀		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
16C5-16RFZX	7238-86461	7/8	22.2	1 5/16-14	1 1/2	1 1/2	2.90	73.7	1.72	43.7	.74

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Field Attachable for C5E Hose

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

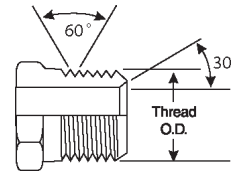
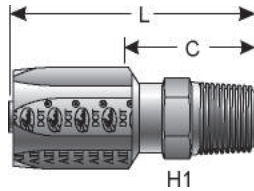
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

### Male Pipe (NPTF - 30° Cone Seat) - Steel

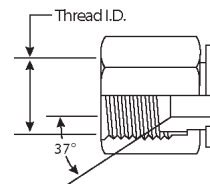
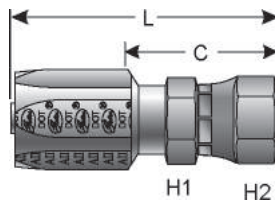
DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	L		C		Weight (Lbs.)
		"	mm			"	mm	"	mm	
4C5E-2RMP	7236-00755	3/16	4.8	1/8-27	1/2	1.53	38.9	.81	20.6	.05
4C5E-4RMP	7236-00765	3/16	4.8	1/4-18	9/16	1.75	44.5	1.03	26.2	.07
5C5E-4RMP	7236-00775	1/4	6.4	1/4-18	9/16	1.76	44.7	.96	24.4	.08
6C5E-4RMP	7236-00785	5/16	7.9	1/4-18	9/16	1.85	47.0	1.00	25.4	.11
6C5E-6RMP	7236-00795	5/16	7.9	3/8-18	11/16	1.89	48.0	1.04	26.4	.12
8C5E-6RMP	7236-00805	13/32	10.3	3/8-18	11/16	2.19	55.6	1.19	30.2	.18
8C5E-8RMP	7236-00815	13/32	10.3	1/2-14	7/8	2.29	58.2	1.29	32.8	.23
10C5E-8RMP	7236-00825	1/2	12.7	1/2-14	7/8	2.38	60.5	1.31	33.3	.26
12C5E-12RMP	7236-00835	5/8	15.9	3/4-14	1 1/16	2.59	65.8	1.44	36.6	.37
12C5E-16RMP	7236-00845	5/8	15.9	1-11 1/2	1 3/8	2.87	72.9	1.72	43.7	.48
16C5E-12RMP	7236-00865	7/8	22.2	3/4-14	1 1/16	2.49	63.3	1.43	36.3	.54
16C5E-16RMP	7236-00855	7/8	22.2	1-11 1/2	1 3/8	2.80	71.1	1.74	44.2	.80
20C5E-20RMP	7236-00885	1 1/8	28.6	1 1/4-11	1 3/4	2.92	74.2	1.80	45.7	.80

### Female JIC 37° Flare Swivel - Steel

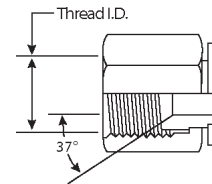
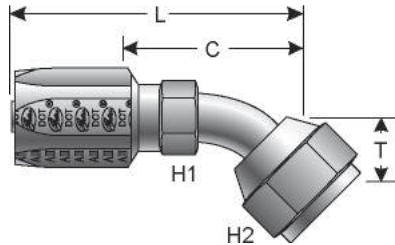
DOT FMVSS Type A1 (No mandrel required).




Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm				"	mm	"	mm	
6C5E-6RFJX	7238-01025	5/16	7.9	9/16-18	3/4	3/4	2.04	51.8	1.19	30.2	.16
12C5E-12RFJX	7238-01055	5/8	15.9	1 1/16-12	1 1/4	1 1/4	2.92	74.2	1.78	45.2	.45
16C5E-16RFJX	7238-01065	7/8	22.2	1 5/16-12	1 1/2	1 1/2	2.90	73.7	1.84	46.7	.59
20C5E-20RFJX	7238-01215	1 1/8	28.6	1 5/8-12	1 9/16	2	3.34	84.8	2.20	55.9	1.20

## Female JIC 37° Flare Swivel - 45° Bent Tube - Steel

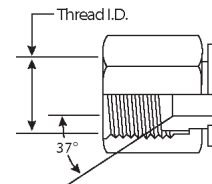
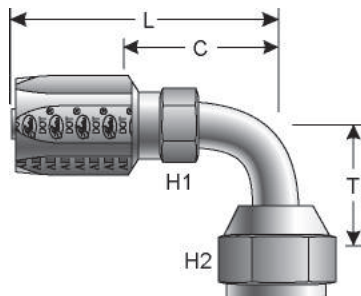
DOT FMVSS Type A1 (No mandrel required).




Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
6C5E-6RFJX45	7235-20415	5/16	7.9	9/16-18	1/2	11/16	.41	10.4	2.33	59.2	1.48	37.6	.17
12C5E-12RFJX45	7235-20455	5/8	15.9	1 1/16-12	7/8	1 1/4	.78	19.8	3.63	92.2	2.49	63.3	.53

## Female JIC 37° Flare Swivel - 90° Bent Tube - Steel

DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
6C5E-6RFJX90	7235-00305	5/16	7.9	9/16-18	1/2	11/16	.91	23.4	2.21	56.1	1.78	45.2	.14
12C5E-12RFJX90	7235-00265	5/8	15.9	1 1/16-12	7/8	1 1/4	1.81	46.0	3.58	90.9	2.44	62.0	.60
16C5E-16RFJX90	7235-00285	7/8	22.2	1 5/16-13	—	1 1/2	2.16	54.9	3.72	94.5	2.66	67.6	1.70
20C5E-20RFJX90	7235-20345	1 1/8	28.6	1 5/8-12	2	1 9/16	2.65	67.3	5.58	141.7	4.45	113.0	1.72

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

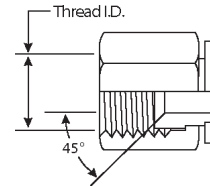
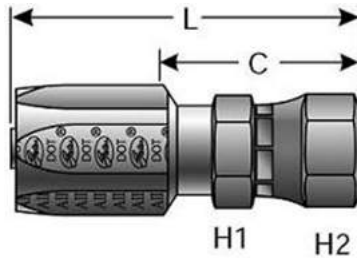
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Female SAE 45° Flare Swivel - Steel**

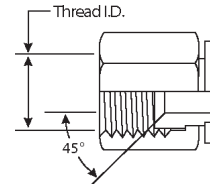
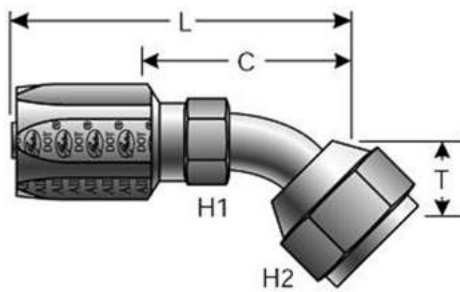
DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	
6C5E-6RFSX	7238-00955	5/16	7.9	5/8-18	3/4	3/4	2.13	54.1	1.28	32.5	.16
12C5E-12RFSX	7238-00985	5/8	15.9	1 1/16-14	1 1/4	1 1/4	2.94	74.7	1.80	45.7	.45

**Female SAE 45° Flare Swivel - 45° Bent Tube - Steel**

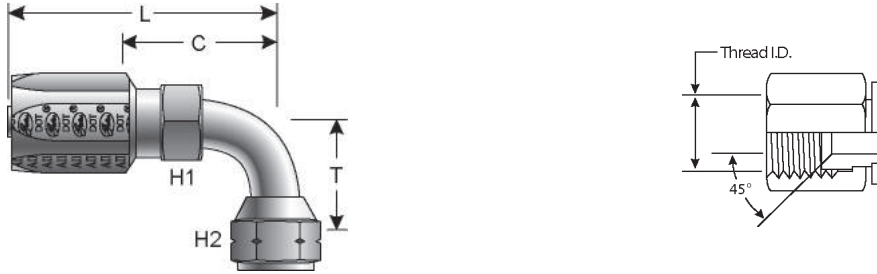
DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
6C5E-6RFSX45	7235-20425	5/16	7.9	5/8-18	1/2	3/4	.41	10.4	2.33	59.2	1.48	37.6	.19
12C5E-12RFSX45	7235-20465	5/8	15.9	1 1/16-14	7/8	1 1/4	.78	19.8	3.63	92.2	2.49	63.3	.51

## Female SAE 45° Flare Swivel - 90° Bent Tube - Steel

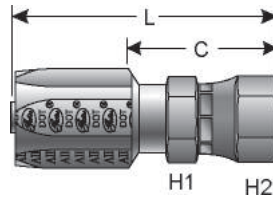
DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
6C5E-6RFSX90	7235-00315	5/16	7.9	5/8-18	1/2	3/4	.84	21.3	2.21	56.1	1.36	34.5	.17
12C5E-12RFSX90	7235-00275	5/8	15.9	1 1/16-14	7/8	1 1/4	1.81	46.0	3.58	90.9	2.44	62.0	.53

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - Steel

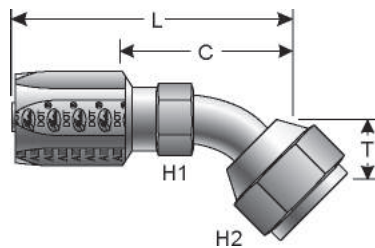
DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	
4C5E-4RFJSX	7238-01005	3/16	4.8	7/16-20	1/2	9/16	1.82	46.2	1.10	27.9	.07
5C5E-5RFJSX	7238-01015	1/4	6.4	1/2-20	1/2	11/16	2.00	50.8	1.21	30.7	.11
8C5E-8RFJSX	7238-01035	13/32	10.3	3/4-16	7/8	7/8	2.45	62.2	1.45	36.8	.25
10C5E-10RFJSX	7238-01045	1/2	12.7	7/8-14	1 1/16	1 1/16	2.72	69.1	1.65	41.9	.33

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel

DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm	"	"	"	"	mm	"	mm	"	mm	
4C5E-4RFJSX45	7235-20405	3/16	4.8	7/16-20	1/2	9/16	.34	8.6	1.92	48.8	1.20	30.5	.09
8C5E-8RFJSX45	7235-20435	13/32	10.3	3/4-16	11/16	7/8	.56	14.2	2.73	69.3	1.73	43.9	.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

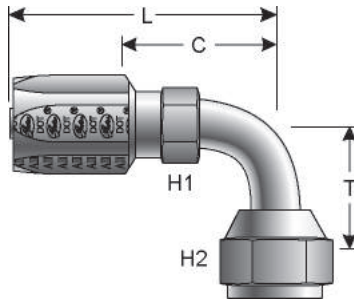
EQUIPMENT AND  
PARTS


## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 45° Bent Tube - Steel - Continued

Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
10C5E-10RFJSX45	7235-20445	1/2	12.7	7/8-14	3/4	1	.63	16.0	3.17	80.5	2.11	53.6	.33

## Dual Seat Female JIC 37°/SAE 45° Flare Swivel - 90° Bent Tube - Steel

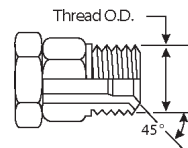
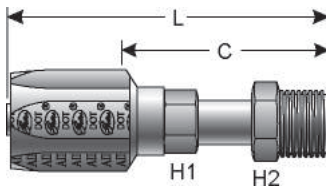
DOT FMVSS Type A1 (No mandrel required).




Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5E-4RFJSX90	7235-20305	3/16	4.8	7/16-20	1/2	9/16	.69	17.5	1.72	43.7	1.00	25.4	.08
8C5E-8RFJSX90	7235-20315	13/32	10.3	3/4-16	11/16	7/8	1.09	27.7	2.54	64.5	1.54	39.1	.25
10C5E-10RFJSX90	7235-20325	1/2	12.7	7/8-14	3/4	1	1.25	31.8	2.97	75.4	1.91	48.5	.33

## Male SAE 45° Flare Inverted Swivel - Steel

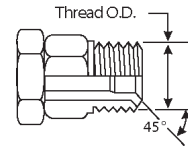
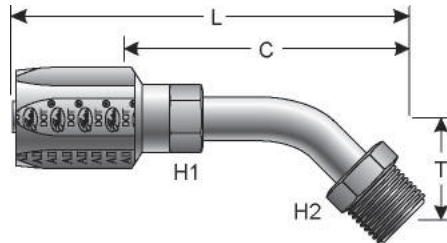
DOT FMVSS Type A1 (No mandrel required).




Descr.	Prod. No.	⊖			H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
4C5E-4RMIX	7235-02855	3/16	4.8	7/16-24	1/2	7/16	2.05	52.1	1.33	33.8	.05
5C5E-5RMIX	7235-02865	1/4	6.4	1/2-20	1/2	1/2	2.26	57.4	1.45	36.8	.09
6C5E-5RMIX	7235-02875	5/16	7.9	1/2-20	1/2	1/2	2.39	60.7	1.54	39.1	.13
6C5E-6RMIX	7235-02885	5/16	7.9	5/8-18	1/2	5/8	2.71	68.8	1.86	47.2	.15
8C5E-8RMIX	7235-02895	13/32	10.3	3/4-18	11/16	3/4	3.24	82.3	2.24	56.9	.24

## Male SAE 45° Flare Inverted Swivel - 45° Bent Tube - Steel

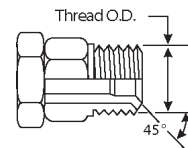
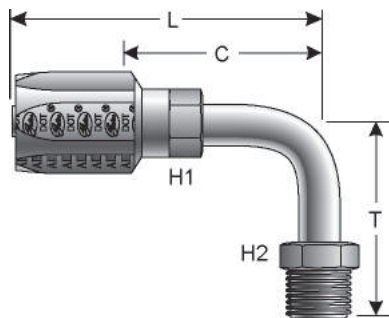
DOT FMVSS Type A1 (No mandrel required).




Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
6C5E-6RMIX45	7235-02795	5/16	7.9	5/8-18	1/2	5/8	.84	21.3	3.79	96.3	2.94	74.7	.16
8C5E-8RMIX45	7235-02905	13/32	10.3	3/4-18	11/16	3/4	1.09	27.7	4.24	107.7	3.24	82.3	.26

## Male SAE 45° Flare Inverted Swivel - 90° Bent Tube - Steel

DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖			H1	H2	T		L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	"	mm	
4C5E-4RMIX90	7235-02805	3/16	4.8	7/16-24	1/2	7/16	1.25	31.8	2.05	52.1	1.33	33.8	.08
5C5E-5RMIX90	7235-02815	1/4	6.4	1/2-20	1/2	1/2	1.50	38.1	2.25	57.2	1.46	37.1	.10
6C5E-5RMIX90	7235-02825	5/16	7.9	1/2-20	1/2	1/2	1.50	38.1	2.39	60.7	1.54	39.1	.14
6C5E-6RMIX90	7235-02835	5/16	7.9	5/8-18	1/2	5/8	1.63	41.4	2.71	68.8	1.86	47.2	.16
8C5E-8RMIX90	7235-02845	13/32	10.3	3/4-18	11/16	3/4	2.00	50.8	3.24	82.3	2.24	56.9	.27

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

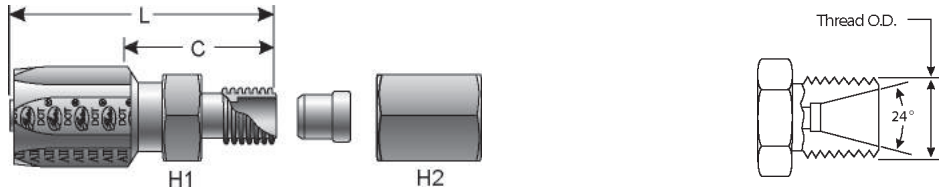
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## SAE Male Flareless Assembly - Steel

DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
4C5E-4RMFA	7236-04955	3/16	4.8	7/16-20	1/2	9/16	1.68	42.7	.96	24.4	.33
5C5E-5RMFA	7236-04965	1/4	6.4	1/2-20	9/16	5/8	1.72	43.7	.92	23.4	.35
6C5E-4RMFA	7236-04975	5/16	7.9	7/16-20	9/16	9/16	2.12	53.9	1.01	25.7	.36
6C5E-6RMFA	7236-04985	5/16	7.9	9/16-18	5/8	11/16	1.87	47.5	1.03	26.2	.38
8C5E-8RMFA	7236-04995	13/32	10.3	3/4-16	13/16	7/8	2.15	54.6	1.15	29.2	.52
10C5E-10RMFA	7236-05005	1/2	12.7	7/8-14	15/16	1	2.34	59.4	1.27	32.3	.73

## Parker Triple Thread Female Swivel - Steel

DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.	⊖		🌀	H1	H2	L		C		Weight (Lbs.)
		"	mm		"	"	"	mm	"	mm	
16C5E-16RFZX	7238-01075	7/8	22.2	1 5/16-14	1 1/2	1 1/2	2.74	69.6	1.68	42.7	.59

FIELD ATTACHABLE C5 & C5E COUPLINGS

SURELOK AIR BRAKE COUPLINGS

ADAPTERS

QUICK DISCONNECT COUPLERS

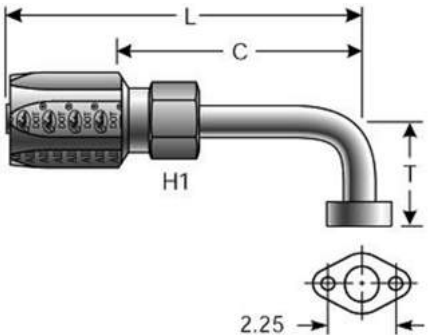
LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND PARTS

**Special Flange - 90° - Engine Oil Connection (Code 61 2 Bolt) - Steel**  
DOT FMVSS Type A1 (No mandrel required).



Descr.	Prod. No.			H1	T		L		C		Weight (Lbs.)
		"	mm		"	mm	"	mm	"	mm	
20C5E-20RFL90S	7235-20355	1 1/8	28.6	1 9/16	2.50	63.5	4.95	125.7	3.82	97.0	1.81

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

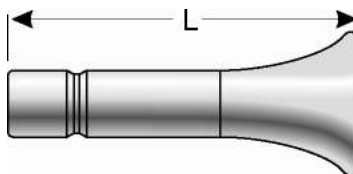
NOTES


[illegible]

## Air Brake Plugs

**Recommended For:** Compressed air as a connector on all air brake systems at locations other than between chassis frame and axle or between towed and towing vehicle. Also as a connector on all air operated systems as applicable to suspension, steering, engine, transmission and auxiliary mechanisms. Fittings and tubing comply to D.O.T. FMVSS 106, mandatory requirements for inch tube fittings is U.S.A., Society for Automotive Engineers (SAE J1131, inch tube and fittings) and meets DIN 74324 and German TUV requirements (metric tube and fittings).


**Temperature Range:** -40°F to +200°F (-40°C to +100°C).



Descr.	Prod. No.		L		Weight (Lbs.)
		"	"	mm	
2.5AB-PLUG	7250-14535	5/32	1.04	26.4	.01
4AB-PLUG	7250-14505	1/4	1.12	28.5	.01
6AB-PLUG	7250-14515	3/8	1.34	34.0	.01
8AB-PLUG	7250-14525	1/2	1.48	37.6	.01

## Air Brake Cartridge



Descr.	Prod. No.		Weight (Lbs.)
		"	
3CARTRIDGE-AB	7250-00705	3/16	.10
4CARTRIDGE-AB	7250-00715	1/4	.02
6CARTRIDGE-AB	7250-00725	3/8	.04
8CARTRIDGE-AB	7250-00735	1/2	.06
10CARTRIDGE-AB	7250-00745	5/8	.08
12CARTRIDGE-AB	7250-00755	3/4	.12
25CARTRIDGE-AB	7250-00765	5/32	.02

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

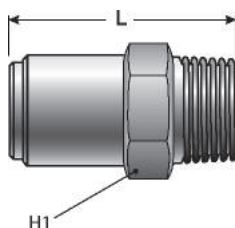
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

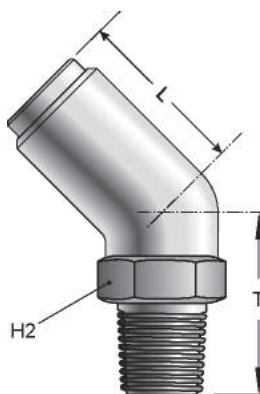
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
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PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Air Brake to Male Pipe





Descr.	Prod. No.			H1	L		Weight (Lbs.)
		"	"	"	"	mm	
2.5AB-1MP	7250-00915	5/32	1/16-32	11/32	.43	10.9	.04
2.5AB-2MP	7250-00925	5/32	1/8-27	7/16	.89	22.6	.10
2AB-2MP	7250-14545	1/8	1/8-27	7/16	.67	17.0	.01
3AB-2MP	7250-00775	3/16	1/8-27	1/2	1.02	25.9	.04
4AB-1MP	7250-14555	1/4	1/16-32	7/16	.94	23.9	.35
4AB-2MP	7250-00785	1/4	1/8-27	1/2	1.04	26.4	.15
4AB-4MP	7250-00795	1/4	1/4-18	9/16	1.17	29.7	.15
4AB-6MP	7250-00805	1/4	3/8-18	11/16	1.20	30.5	.15
6AB-2MP	7250-00815	3/8	1/8-27	11/16	1.32	33.5	.08
6AB-4MP	7250-00825	3/8	1/4-18	11/16	1.48	37.6	.20
6AB-6MP	7250-00835	3/8	3/8-18	11/16	1.42	36.1	.20
6AB-8MP	7250-00845	3/8	1/2-14	7/8	1.46	37.1	.16
8AB-4MP	7250-00855	1/2	1/4-18	7/8	1.68	42.7	.14
8AB-6MP	7250-00865	1/2	3/8-18	7/8	1.64	41.7	.14
8AB-8MP	7250-00875	1/2	1/2-14	7/8	1.72	43.7	.25
10AB-6MP	7250-00885	5/8	3/8-18	11/16	1.87	47.5	.30
10AB-8MP	7250-00895	5/8	1/2-14	11/16	2.12	53.9	.28
12AB-8MP	7250-14565	3/4	1/2-14	13/16	2.11	53.6	.32
12AB-12MP	7250-00905	3/4	3/4-14	1 1/16	2.21	56.1	.36

## Air Brake to Male Pipe - 45°

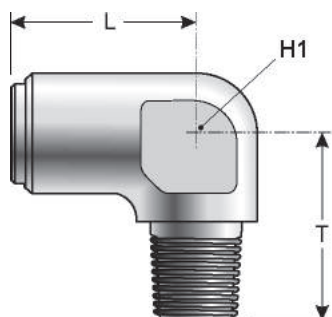




Descr.	Prod. No.			H2	T		L		Weight (Lbs.)
		"	"	"	"	mm	"	mm	
4AB-2MP45	7250-00935	1/4	1/8-27	14.30	.81	20.6	1.68	42.7	.15
4AB-4MP45	7250-00945	1/4	1/4-18	14.30	.98	24.9	1.87	47.5	.08
6AB-2MP45	7250-00955	3/8	1/8-27	19	.93	23.6	1.95	49.5	.10
6AB-4MP45	7250-00965	3/8	1/4-18	19	1.10	27.9	2.16	54.9	.12
6AB-6MP45	7250-00975	3/8	3/8-18	19	1.12	28.5	2.22	56.4	.12

## Air Brake to Male Pipe - 45° - Continued

Descr.	Prod. No.			H2	T		L		Weight (Lbs.)
		"	"		"	mm	"	mm	
6AB-8MP45	7250-00985	3/8	1/2-14	22	1.30	33.0	2.44	62.0	.20
8AB-4MP45	7250-00995	1/2	1/4-18	22	1.10	27.9	2.32	58.9	.16
8AB-6MP45	7250-01005	1/2	3/8-18	22	1.12	28.5	2.38	60.5	.16
8AB-8MP45	7250-01015	1/2	1/2-14	22	1.30	33.0	2.60	66.0	.18
10AB-6MP45	7250-01025	5/8	3/8-18	27	1.02	25.9	2.48	63.0	.30
10AB-8MP45	7250-01035	5/8	1/2-14	27	1.22	31.0	2.68	68.1	.30
12AB-8MP45	7250-14575	3/4	1/2-14	25.40	1.30	33.0	2.82	71.6	.36
12AB-12MP45	7250-01045	3/4	3/4-14	27	1.91	48.5	3.92	99.6	.42

## Air Brake to Male Pipe - 90°



Descr.	Prod. No.			H1	T		L		Weight (Lbs.)
		"	"		"	mm	"	mm	
2.5AB-2MP90	7250-01195	5/32	1/8-27	7	1.00	25.4	.87	22.1	.04
2AB-2MP90	7250-14585	1/8	1/8-27	7	.66	16.8	.67	17.0	.04
3AB-2MP90	7250-01055	3/16	1/8-27	12	.75	19.1	.81	20.6	.06
4AB-2MP90	7250-01065	1/4	1/8-27	14	.79	20.1	.81	20.6	.15
4AB-4MP90	7250-01075	1/4	1/4-18	18	1.02	25.9	.87	22.1	.10
4AB-6MP90	7250-01085	1/4	3/8-18	22	1.10	27.9	.94	23.9	.15
4AB-8MP90	7250-14595	1/4	1/2-14	24	1.38	35.1	.96	24.4	.18
6AB-2MP90	7250-01095	3/8	1/8-27	18	.87	22.1	1.08	27.4	.10
6AB-4MP90	7250-01105	3/8	1/4-18	18	1.02	25.9	1.06	26.9	.20
6AB-6MP90	7250-01115	3/8	3/8-18	22	1.10	27.9	1.14	29.0	.20
6AB-8MP90	7250-01125	3/8	1/2-14	24	1.38	35.1	1.14	29.0	.20
8AB-4MP90	7250-01135	1/2	1/4-18	22	1.14	29.0	1.22	31.0	.16
8AB-6MP90	7250-01145	1/2	3/8-18	22	1.14	29.0	1.26	32.0	.16
8AB-8MP90	7250-01155	1/2	1/2-14	24	1.38	35.1	1.28	32.5	.20
10AB-6MP90	7250-01165	5/8	3/8-18	22	1.22	31.0	1.44	36.9	.30
10AB-8MP90	7250-01175	5/8	1/2-14	30	1.42	36.1	1.54	39.1	.30
12AB-8MP90	7250-14605	3/4	1/2-14	24	1.48	37.6	1.52	38.6	.32
12AB-12MP90	7250-14615	3/4	3/4-14	27	2.00	50.8	2.15	54.6	.54
25AB-1MP90	7250-01185	5/32	1/16-32	7	1.00	25.4	1.00	25.4	.04

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

**SURELOK AIR  
BRAKE  
COUPLINGS**

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

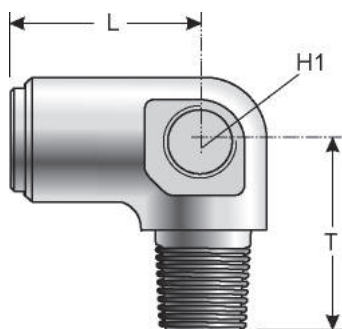
BALL VALVES



ACCESSORIES

EQUIPMENT AND  
PARTS

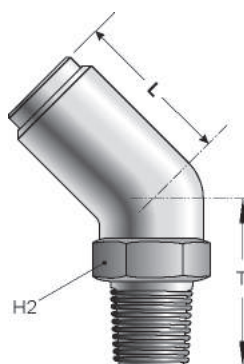




## Air Brake to Male Pipe - 90° with Port



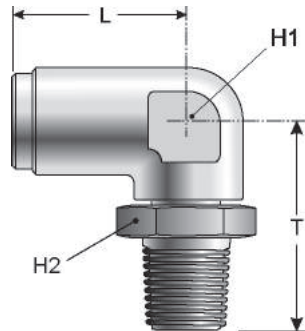
Descr.	Prod. No.			H1	T		L		Weight (Lbs.)
		"	"	mm	"	mm	"	mm	
6AB-4MP-2PT90	7250-14625	3/8	1/4-18	22	1.10	27.9	1.20	30.5	.24
6AB-6MP-2PT90	7250-14635	3/8	3/8-18	22	1.10	27.9	1.12	28.5	.24
8AB-6MP-2PT90	7250-14645	1/2	3/8-18	22	1.14	29.0	1.26	32.0	.22
8AB-8MP-4PORT90	7250-14655	1/2	1/2-14	24	1.38	35.1	1.28	32.5	.34
12AB-12MP-4PORT90	7250-14665	3/4	3/4-14	24	1.48	37.6	1.52	38.6	.40

## Air Brake to Male Pipe Swivel - 45°



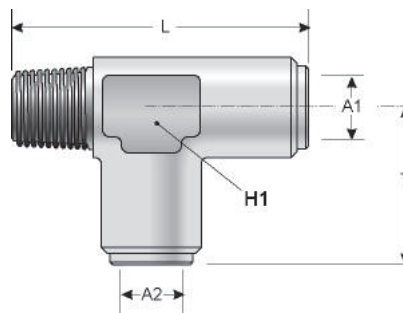
Descr.	Prod. No.			H2	T		L		Weight (Lbs.)
		"	"	"	"	mm	"	mm	
4AB-2MPX45	7250-01205	1/4	1/8-27	7/16	1.06	26.9	.74	18.8	.08
4AB-4MPX45	7250-01215	1/4	1/4-18	9/16	1.11	28.2	.77	19.6	.08
6AB-4MPX45	7250-01225	3/8	1/4-18	11/16	1.26	32.0	1.05	26.7	.16
8AB-8MPX45	7250-01255	1/2	1/2-14	7/8	1.62	41.2	1.25	31.8	.36
10AB-8MPX45	7250-14695	5/8	1/2-14	7/8	1.42	36.1	1.51	38.4	.45

## Air Brake to Male Pipe Swivel - 90°



Descr.	Prod. No.			H1	H2	T		L		Weight (Lbs.)
		"	"	mm	mm	"	mm	"	mm	
2.5AB-2MPX90	7250-14725	5/32	1/8-27	7	11	.91	23.1	.83	21.1	.04
4AB-2MPX90	7250-01265	1/4	1/8-27	14	11	.91	23.1	.83	21.1	.06
4AB-4MPX90	7250-01275	1/4	1/4-18	18	14	1.12	28.5	.83	21.1	.10
4AB-6MPX90	7250-01285	1/4	3/8-18	22	19	1.25	31.8	.85	21.6	.15
6AB-2MPX90	7250-01295	3/8	1/8-27	18	14	1.05	26.7	1.07	27.2	.14
6AB-4MPX90	7250-01305	3/8	1/4-18	18	19	1.29	32.8	1.07	27.2	.20
6AB-6MPX90	7250-01315	3/8	3/8-18	22	19	1.24	31.5	1.07	27.2	.06
6AB-8MPX90	7250-01325	3/8	1/2-14	24	22	1.44	36.6	1.07	27.2	.22
8AB-4MPX90	7250-01335	1/2	1/4-18	22	22	1.27	32.3	1.27	32.3	.25
8AB-6MPX90	7250-01345	1/2	3/8-18	22	22	1.42	36.1	1.27	32.3	.25
8AB-8MPX90	7250-01355	1/2	1/2-14	24	22	1.62	41.2	1.27	32.3	.30
10AB-6MPX90	7250-01365	5/8	3/8-18	30	22	1.48	37.6	1.54	39.1	.26
10AB-8MPX90	7250-01375	5/8	1/2-14	30	22	1.48	37.6	1.54	39.1	.48
12AB-8MPX90	7250-14705	3/4	1/2-14	24	22	1.53	38.9	1.55	39.4	.58

## Air Brake Run Tee to Male Pipe



Descr.	Prod. No.	A1	A2		H1	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	"	mm	
2MP-4AB-4AB	7250-01385	1/4	1/4	1/8-18	14	.89	22.6	1.67	42.4	.12
4MP-4AB-4AB	7250-01395	1/4	1/4	1/4-18	18	.89	22.6	1.85	47.0	.18
4MP-4AB-6AB	7250-14775	1/4	3/8	1/4-18	18	1.08	27.4	1.85	47.0	.20
4MP-6AB-4AB	7250-14805	3/8	1/4	1/4-18	18	.93	23.6	2.05	52.1	.20
4MP-6AB-6AB	7250-14745	1/4	3/8	1/4-18	18	1.08	27.4	2.05	52.1	.20
6MP-4AB-4AB	7250-01405	1/4	1/4	3/8-18	22	.93	23.6	2.03	51.6	.30
6MP-4AB-6AB	7250-14785	1/4	3/8	3/8-18	22	1.14	29.0	2.03	51.6	.32
6MP-6AB-4AB	7250-14815	3/8	1/4	3/8-18	22	.93	23.6	2.24	56.9	.30
6MP-6AB-6AB	7250-01415	3/8	3/8	3/8-18	22	1.14	29.0	2.24	56.9	.32

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

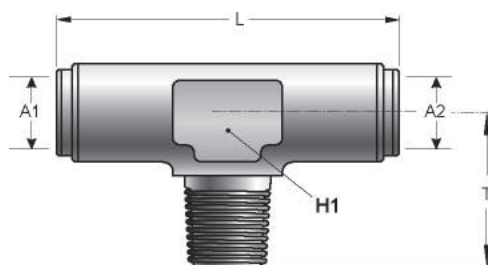
ACCESSORIES


EQUIPMENT AND  
PARTS

## Air Brake Run Tee to Male Pipe - Continued

Descr.	Prod. No.	A1	A2		H1	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	"	mm	
6MP-6AB-8AB	7250-14795	3/8	1/2	3/8-18	22	1.30	33.0	2.36	59.9	.38
6MP-8AB-6AB	7250-14825	1/2	3/8	3/8-18	22	1.22	31.0	2.44	62.0	.38
6MP-8AB-8AB	7250-01425	1/2	1/2	3/8-18	22	1.30	33.0	2.44	62.0	.36
8MP-6AB-6AB	7250-14755	3/8	3/8	1/2-14	24	1.22	31.0	2.64	67.1	.46


## Air Brake Branch Tee to Male Pipe



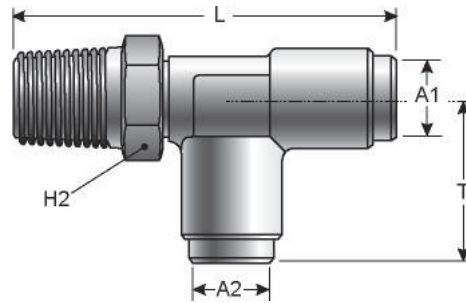
Descr.	Prod. No.	A1	A2		H1	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	"	mm	
3AB-3AB-2MP	7250-01435	3/16	3/16	1/8-27	14	.79	20.1	1.69	42.9	.06
4AB-4AB-2MP	7250-01445	1/4	1/4	1/8-27	14	.79	20.1	1.69	42.9	.12
4AB-4AB-4MP	7250-01455	1/4	1/4	1/4-18	18	.96	24.4	1.77	45.0	.18
4AB-4AB-6MP	7250-14835	1/4	1/4	3/8-18	22	1.10	27.9	1.93	49.0	.30
6AB-4AB-4MP	7250-14845	3/8	1/4	1/4-18	18	.96	24.4	1.97	50.0	.20
6AB-6AB-4MP	7250-01465	3/8	3/8	1/4-18	18	.96	24.4	2.17	55.1	.18
6AB-6AB-6MP	7250-01475	3/8	3/8	3/8-18	22	1.10	27.9	2.28	57.9	.32
8AB-6AB-8MP	7250-14865	1/2	3/8	1/2-14	22	1.22	31.0	2.48	63.0	.46
8AB-8AB-4MP	7250-01485	1/2	1/2	1/4-18	22	1.14	29.0	2.44	62.0	.32
8AB-8AB-6MP	7250-01495	1/2	1/2	3/8-18	22	1.14	29.0	2.60	66.0	.36
8AB-8AB-8MP	7250-01505	1/2	1/2	1/2-14	24	1.42	36.1	2.68	68.1	.46
10AB-8AB-8MP	7250-14885	5/8	1/2	1/2-14	30	1.46	37.1	2.78	70.6	.08


## Air Brake Branch Y to Male Pipe



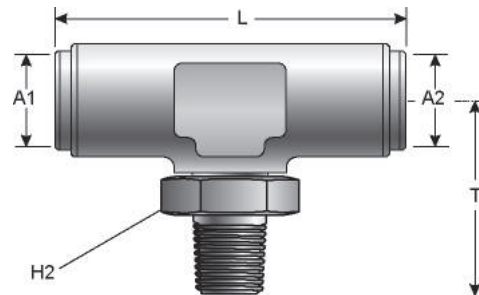
Descr.	Prod. No.	A1	A2		H2	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	"	mm	
6AB-6AB-6MP90	7250-14895	3/8	3/8	3/8-18	22	1.34	34.0	1.18	30.0	.38
8AB-8AB-6MP90	7250-14905	1/2	1/2	3/8-18	20	1.34	34.0	1.30	33.0	.36


## Air Brake Run Tee to Male Pipe Swivel



Descr.	Prod. No.	A1	A2		H2	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	"	mm	
2MPX-4AB-4AB	7250-01515	1/4	1/4	1/8-27	11	.83	21.1	1.75	44.5	.08
4MPX-4AB-4AB	7250-01525	1/4	1/4	1/4-18	14	.83	21.1	1.95	49.5	.12
4MPX-6AB-6AB	7250-14925	3/8	3/8	1/4-18	19	1.07	27.2	2.36	59.9	.20
6MPX-6AB-6AB	7250-01545	3/8	3/8	3/8-18	19	1.07	27.2	2.32	58.9	.20
6MPX-8AB-8AB	7250-01555	1/2	1/2	3/8-18	22	1.27	32.3	2.69	68.3	.32
8MPX-8AB-8AB	7250-01565	1/2	1/2	1/2-14	22	1.27	32.3	2.89	73.4	.36

## Air Brake Branch Tee to Male Pipe Swivel



Descr.	Prod. No.	A1	A2		H2	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	"	mm	
3AB-3AB-2MPX	7250-14935	3/16	3/16	1/8-27	11	.89	22.6	1.57	39.9	.08
4AB-4AB-2MPX	7250-01575	1/4	1/4	1/8-27	11	.91	23.1	1.67	42.4	.08
4AB-4AB-4MPX	7250-01585	1/4	1/4	1/4-18	14	1.12	28.5	1.67	42.4	.15
6AB-6AB-2MPX	7250-14945	3/8	3/8	1/8-27	14	1.09	27.7	1.92	48.8	.18
6AB-6AB-4MPX	7250-01595	3/8	3/8	1/4-18	19	1.29	32.8	2.17	55.1	.22
6AB-6AB-6MPX	7250-14955	3/8	3/8	3/8-18	19	1.24	31.5	2.17	55.1	.20
8AB-8AB-4MPX	7250-01605	1/2	1/2	1/4-18	22	1.39	35.3	2.56	65.0	.32
8AB-8AB-6MPX	7250-01615	1/2	1/2	3/8-18	22	1.42	36.1	2.56	65.0	.32
8AB-8AB-8MPX	7250-14965	1/2	1/2	1/2-14	22	1.62	41.2	2.56	65.0	.36

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

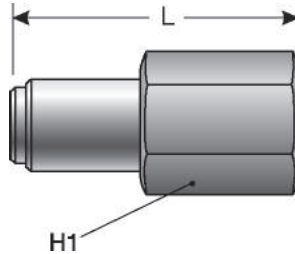
LIVE SWIVEL



BALL VALVES

ACCESSORIES

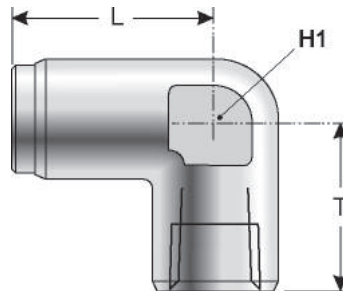
EQUIPMENT AND  
PARTS



## Air Brake to Female Pipe



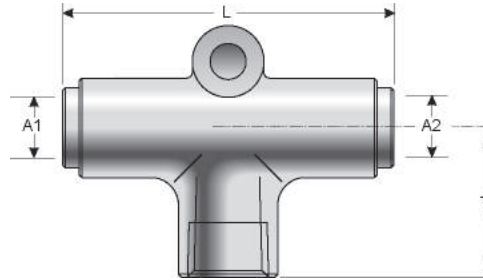
Descr.	Prod. No.			H1	L		Weight (Lbs.)
		"	"	"	"	mm	
2.5AB-2FP	7250-14975	5/32	1/8-27	9/16	1.18	30.0	.04
4AB-2FP	7250-01625	1/4	1/8-27	9/16	1.31	33.3	.06
4AB-4FP	7250-01635	1/4	1/4-18	11/16	1.59	40.4	.10
6AB-2FP	7250-01645	3/8	1/8-27	9/16	1.74	44.2	.10
6AB-4FP	7250-01655	3/8	1/4-18	11/16	1.74	44.2	.12
6AB-6FP	7250-01665	3/8	3/8-18	7/8	1.78	45.2	.16
8AB-4FP	7250-01675	1/2	1/4-18	11/16	2.00	50.8	.14
8AB-8FP	7250-01695	1/2	1/2-14	11/16	2.11	53.6	.32


## Air Brake to Female Pipe - 90°



Descr.	Prod. No.			H1	T		L		Weight (Lbs.)
		"	"	mm	"	mm	"	mm	
3AB-2FP90	7250-14985	3/16	1/8-27	14	.71	18.0	.87	22.1	.08
4AB-2FP90	7250-01705	1/4	1/8-27	14	.71	18.0	.94	23.9	.08
4AB-4FP90	7250-01715	1/4	1/4-18	18	.79	20.1	1.08	27.4	.14
4AB-6FP90	7250-14995	1/4	3/8-18	18	.79	20.1	1.08	27.4	.22
6AB-2FP90	7250-01725	3/8	1/8-27	13	.79	20.1	1.31	33.3	.20
6AB-4FP90	7250-01735	3/8	1/4-18	18	.79	20.1	1.31	33.3	.14
6AB-6FP90	7250-01745	3/8	3/8-18	22	.79	20.1	1.31	33.3	.22
8AB-4FP90	7250-01755	1/2	1/4-18	18	.94	23.9	1.16	29.5	.22
8AB-6FP90	7250-01765	1/2	3/8-18	22	.94	23.9	1.16	29.5	.22
8AB-8FP90	7250-01775	1/2	1/2-14	16	.94	23.9	1.16	29.5	.56



## Air Brake Branch Tee to Female Pipe with Mounting Hole



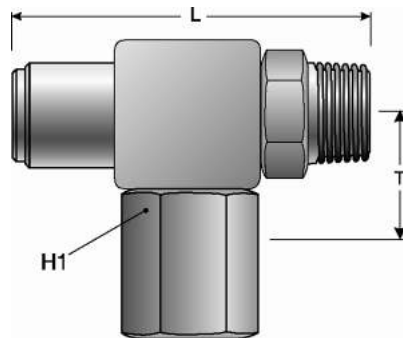
Descr.	Prod. No.	A1	A2		T		L		Weight (Lbs.)
		"	"	"	"	mm	"	mm	
6AB-6AB-4FP	7250-01785	3/8	3/8	1/4-18	1.06	26.9	2.34	59.4	.24



## Air Brake to Male Pipe to Female Pipe Split Run Tee - Block Style



Descr.	Prod. No.				H1	T		L		Weight (Lbs.)
		"	"	"	"	"	mm	"	mm	
4MP-6AB-4FP	7250-15015	1/4	1/4-18	1/4-18	18	.96	24.4	2.05	52.1	.18
8MP-8AB-2FP	7250-15045	1/2	1/2-14	1/8-27	24	.96	24.4	2.40	61.0	.32

## Air Brake to Male Pipe to Female Pipe Split Run Tee



Descr.	Prod. No.				H1	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	"	mm	
6AB-6MP-4FP	7250-01795	1/2	3/8-18	1/4-18	22	1.14	29.0	2.05	52.1	.22

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

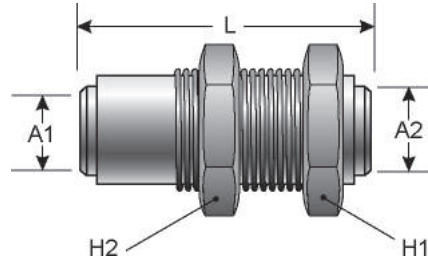
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

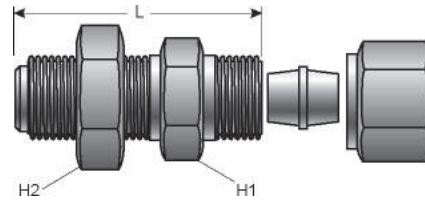
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS



## Air Brake Bulkhead Union



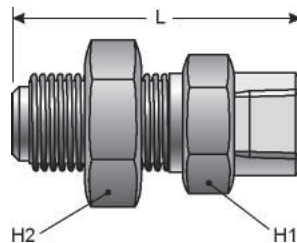
Descr.	Prod. No.	A1	A2		H1	H2	L		Weight (Lbs.)
		"	"	"	"	"	"	mm	
4AB-4AB-BKHD	7250-01805	1/4	1/4	1/4-18	15/16	15/16	1.41	35.8	.14
6AB-6AB-BKHD	7250-01815	3/8	3/8	3/8-18	1 1/8	1 1/8	1.75	44.5	.24
8AB-6AB-BKHD	7250-15055	1/2	3/8	3/8-18	1 1/8	1 1/8	1.89	48.0	.34
8AB-8AB-BKHD	7250-01825	1/2	1/2	1/2-14	1 5/16	1 5/16	2.02	51.3	.34
10AB-10AB-BKHD	7250-01835	5/8	5/8	1/2-14	1 1/2	1 1/2	2.34	59.4	.70



## Air Brake to Copper Tubing Industrial Compression Assembly Bulkhead





Descr.	Prod. No.			H1	H2	L		Weight (Lbs.)
		"	"	"	"	"	mm	
4AB-4MFA-BKHD	7250-15065	1/4	1/4	11/16	15/16	.50	12.7	.28
6AB-6MFA-BKHD	7250-15075	3/8	3/8	7/8	7/8	.68	17.3	.42

## Air Brake to Female Pipe Bulkhead

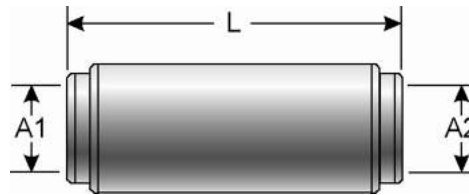


Descr.	Prod. No.			H1	H2	L		Weight (Lbs.)
		"	"	mm	"	"	mm	
4AB-2FP-BKHD	7250-15085	1/4	1/8-27	22	15/16	1.32	33.5	.24
4AB-4FP-BKHD	7250-01845	1/4	1/4-18	22	15/16	1.59	40.4	.20
6AB-4FP-BKHD	7250-15095	3/8	1/4-18	24	1 1/8	2.20	55.9	.30
6AB-6FP-BKHD	7250-01855	3/8	3/8-18	27	1 1/8	2.20	55.9	.30
6AB-8FP-BKHD	7250-15105	3/8	1/2-14	27	1 1/8	2.20	55.9	.38

## Air Brake to Female Pipe Bulkhead - Continued

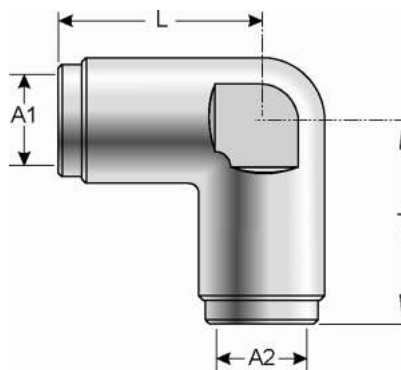
Descr.	Prod. No.			H1	H2	L		Weight (Lbs.)
		"	"	mm	"	"	mm	
8AB-6FP-BKHD	7250-15115	1/2	3/8-18	27	1 5/16	1.89	48.0	.32
8AB-8FP-BKHD	7250-01865	1/2	1/2-14	27	1 5/16	2.64	67.1	.48

## Air Brake Union



Descr.	Prod. No.	A1	A2	L		Weight (Lbs.)
		"	"	"	mm	
2.5AB-2.5AB	7250-01915	5/32	5/32	1.18	30.0	.10
2AB-2AB	7250-15135	1/8	1/8	1.15	27.2	.08
3AB-3AB	7250-15145	3/16	3/16	1.36	24.5	.05
4AB-4AB	7250-01875	1/4	1/4	1.40	35.6	.06
6AB-4AB	7250-15155	3/8	1/4	1.71	43.4	.12
6AB-6AB	7250-01885	3/8	3/8	1.74	44.2	.20
8AB-6AB	7250-15165	1/2	3/8	1.91	48.5	.18
8AB-8AB	7250-01895	1/2	1/2	2.01	51.1	.25
10AB-10AB	7250-01905	5/8	5/8	2.42	61.5	.32
12AB-12AB	7250-15175	3/4	3/4	2.48	63.0	.44

## Air Brake Union - 90°



Descr.	Prod. No.	A1	A2	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	
4AB-4AB90	7250-01925	1/4	1/4	.83	21.1	.83	21.1	.08
6AB-6AB90	7250-01935	3/8	3/8	1.07	27.2	1.07	27.2	.14
8AB-8AB90	7250-01945	1/2	1/2	1.26	32.0	1.26	32.0	.20
10AB-10AB90	7250-15185	5/8	5/8	1.48	37.6	1.61	40.9	.50

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

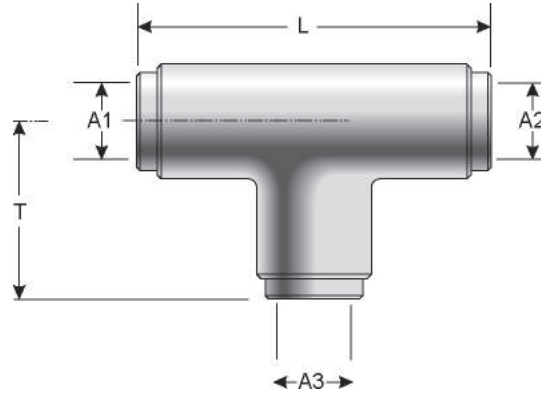
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

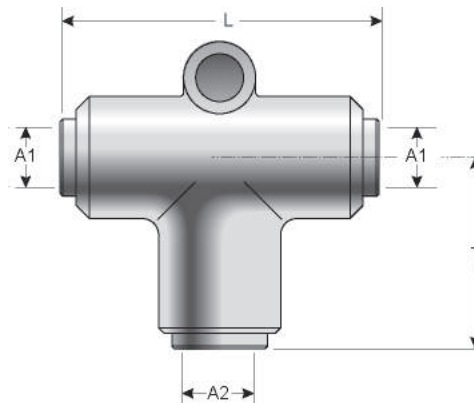


## Air Brake Union - Tee



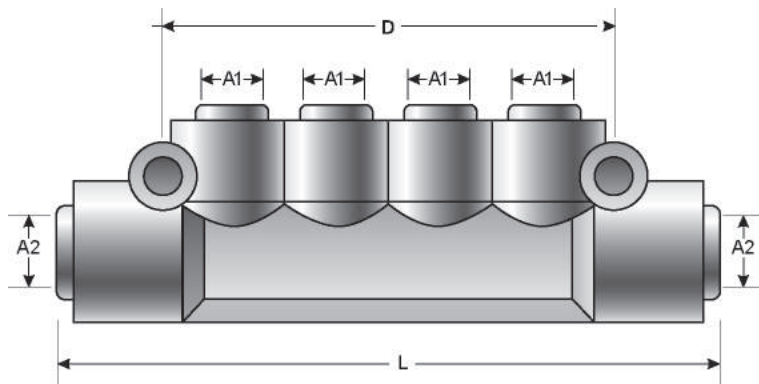
Descr.	Prod. No.	A1	A2	A3	T		L		Weight (Lbs.)
		"	"	"	"	mm	"	mm	
2AB-2AB-2AB	7250-15195	1/8	1/8	1/8	.63	16.0	1.26	32.0	.02
3AB-3AB-3AB	7250-15205	3/16	3/16	3/16	.72	18.3	1.44	36.9	.06
4AB-4AB-4AB	7250-01955	1/4	1/4	1/4	.93	23.6	1.65	41.9	.08
6AB-4AB-4AB	7250-15295	3/8	1/4	1/4	.93	23.6	2.01	51.1	.85
6AB-6AB-4AB	7250-15245	3/8	3/8	1/4	.93	23.6	2.17	55.1	.18
6AB-6AB-6AB	7250-01965	3/8	3/8	3/8	1.07	27.2	2.13	54.1	.18
6AB-6AB-8AB	7250-15255	3/8	3/8	1/2	1.28	32.5	2.36	59.9	.30
8AB-6AB-6AB	7250-15305	1/2	3/8	3/8	1.18	30.0	2.46	62.5	.32
8AB-8AB-4AB	7250-15265	1/2	1/2	1/4	.98	24.9	2.52	64.0	.28
8AB-8AB-6AB	7250-15275	1/2	1/2	3/8	1.22	31.0	2.44	62.0	.30
8AB-8AB-8AB	7250-01975	1/2	1/2	1/2	1.26	32.0	2.53	64.3	.28
10AB-8AB-10AB	7250-15285	5/8	1/2	5/8	1.56	39.6	3.01	76.5	.68
10AB-10AB-10AB	7250-15215	5/8	5/8	5/8	1.54	39.1	3.07	78.0	.66
12AB-12AB-12AB	7250-15225	3/4	3/4	3/4	1.56	39.6	3.12	79.3	.78

## Air Brake Union - Tee with Mounting Hole



Descr.	Prod. No.	A1	A2	T		L		Weight (Lbs.)
		"	"	"	mm	"	mm	
6AB-6AB-8ABMH	7250-15315	3/8	3/8	1.42	36.1	2.36	59.9	.48

### 6-Port Manifold



Descr.	Prod. No.	A1	A2	D Mounting Hole Length		L		Weight (Lbs.)
		"	"	"	mm	"	mm	
6AB-4MANIFOLD	7250-15325	1/4	3/8	2.76	70.10	4.10	104.1	.20

### Coiled Nylon Air Brake Tubing Assemblies

**Recommended For:** Truck air brake lines from back of cab to trailer. Conforms to SAE J844 specifications. Meets D.O.T. FMVSS 106. 12" Leads.




**Tube:** Heat and light stabilized seamless extruded Nylon 11.

**Reinforcement:** One open ply of fibrous nylon.

**Cover:** Heat and light stabilized seamless extruded nylon.

**Temperature Range:** -40°F to +200°F



Descr.	Prod. No.				Weight (Lbs.)
		"			
8CABHX12*	7250-18655	1/2	150	600	2.95
8CABHX15	7250-18665	1/2	150	600	2.75

\*Program purpose

**NOTE:** Program purpose

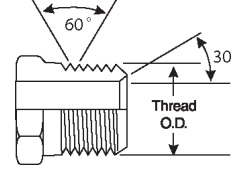
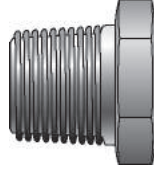
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC. GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS


NOTES

[illegible]

## Male Pipe NPTF Plug

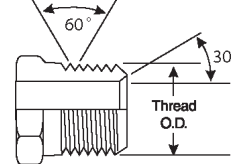
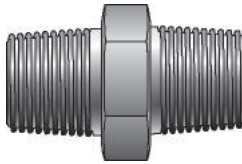
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
2MP-PLUG	7259-22815	1/8-27	.04
4MP-PLUG	7259-22825	1/4-18	.04
6MP-PLUG	7259-22835	3/8-18	.10
8MP-PLUG	7259-22845	1/2-14	.18
12MP-PLUG	7259-22855	3/4-14	.33
16MP-PLUG	7259-22865	1-11 1/2	.55
20MP-PLUG	7259-22875	1 1/4-11 1/2	.92
24MP-PLUG	7259-24395	1 1/2-11 1/2	1.59
32MP-PLUG	7259-32765	2-11 1/2	2.84

## Male Pipe NPTF to Male Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MP-2MP	7259-23695	1/8-27	1/8-27	.02
4MP-2MP	7259-23705	1/4-18	1/8-27	.05
4MP-4MP	7259-23715	1/4-18	1/4-18	.10
6MP-4MP	7259-23725	3/8-18	1/4-18	.10
6MP-6MP	7259-23735	3/8-18	3/8-18	.09
8MP-4MP	7259-23745	1/2-14	1/4-18	.14
8MP-6MP	7259-23755	1/2-14	3/8-18	.13
8MP-8MP	7259-23765	1/2-14	1/2-14	.15
12MP-4MP	7259-07405	3/4-14	1/4-18	.22
12MP-6MP	7259-06395	3/4-14	3/8-18	.22
12MP-8MP	7259-23775	3/4-14	1/2-14	.28
12MP-12MP	7259-23785	3/4-14	3/4-14	.28
16MP-6MP	7259-07325	1-11 1/2	3/8-18	.28
16MP-8MP	7259-06235	1-11 1/2	1/2-14	.50
16MP-12MP	7259-23795	1-11 1/2	3/4-14	.36
16MP-16MP	7259-23805	1-11 1/2	1-11 1/2	.50
20MP-12MP	7259-08015	1 1/4-11 1/2	3/4-14	.57
20MP-16MP	7259-05875	1 1/4-11 1/2	1-11 1/2	.61
20MP-20MP	7259-23815	1 1/4-11 1/2	1 1/4-11 1/2	.62
24MP-12MP	7259-08545	1 1/2-11 1/2	3/4-14	.73
24MP-16MP	7259-08025	1 1/2-11 1/2	1-11 1/2	.73
24MP-20MP	7259-08125	1 1/2-11 1/2	1 1/4-11 1/2	1.32
24MP-24MP	7259-23825	1 1/2-11 1/2	1 1/2-11 1/2	.99

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

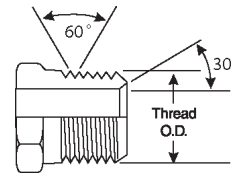
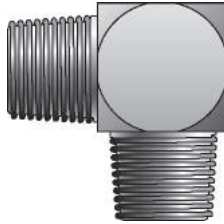
EQUIPMENT AND  
PARTS


## Male Pipe NPTF to Male Pipe NPTF - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
32MP-24MP	7259-08555	2-11 1/2	1 1/2-11 1/2	1.59
32MP-32MP	7259-23835	2-11 1/2	2-11 1/2	1.26

## Male Pipe NPTF to Male Pipe NPTF - 90°

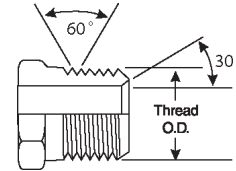
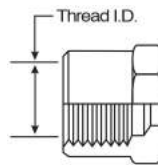
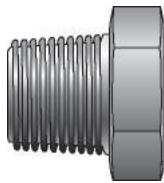
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MP-2MP90	7259-25205	1/8-27	1/8-27	.06
4MP-4MP90	7259-25215	1/4-18	1/4-18	.10
6MP-4MP90	7259-70755	3/8-18	1/4-18	.17
6MP-6MP90	7259-25225	3/8-18	3/8-18	.18
8MP-4MP90	7259-08565	1/2-14	1/4-18	.26
8MP-6MP90	7259-70855	1/2-14	3/8-18	.26
8MP-8MP90	7259-25235	1/2-14	1/2-14	.28
12MP-8MP90	7259-05725	3/4-14	1/2-14	.43
12MP-12MP90	7259-25245	3/4-14	3/4-14	.46
16MP-12MP90	7259-09835	1-11 1/2	3/4-14	.73
16MP-16MP90	7259-25255	1-11 1/2	1-11 1/2	1.15
20MP-20MP90	7259-08575	1 1/4-11 1/2	1 1/4-11 1/2	1.26
24MP-24MP90	7259-07155	1 1/2-11 1/2	1 1/2-11 1/2	3.85


## Male Pipe NPTF to Female Pipe NPTF Reducer Bushing - Short

For use up to SAE 100R2 maximum working pressure.



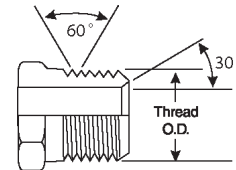
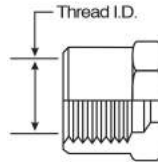
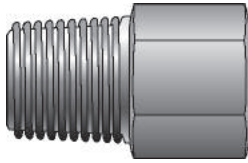
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MP-2FPS	7259-22595	1/4-18	1/8-27	.04
6MP-2FPS	7259-22605	3/8-18	1/8-27	.07
6MP-4FPS	7259-22615	3/8-18	1/4-18	.07
8MP-2FPS	7259-05815	1/2-14	1/8-27	.12
8MP-4FPS	7259-22635	1/2-14	1/4-18	.10
8MP-6FPS	7259-22645	1/2-14	3/8-18	.10
12MP-2FPS	7259-07335	3/4-14	1/8-27	.20


## Male Pipe NPTF to Female Pipe NPTF Reducer Bushing - Short - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
12MP-4FPS	7259-22665	3/4-14	1/4-18	.70
12MP-6FPS	7259-22675	3/4-14	3/8-18	.21
12MP-8FPS	7259-22685	3/4-14	1/2-14	.16
16MP-2FPS	7259-08585	1-11 1/2	1/8-27	.36
16MP-4FPS	7259-05355	1-11 1/2	1/4-18	.39
16MP-6FPS	7259-06665	1-11 1/2	3/8-18	.33
16MP-8FPS	7259-22725	1-11 1/2	1/2-14	.31
16MP-12FPS	7259-22735	1-11 1/2	3/4-14	.32
20MP-4FPS	7259-07475	1 1/4-11 1/2	1/4-18	.64
20MP-8FPS	7259-05525	1 1/4-11 1/2	1/2-14	.57
20MP-12FPS	7259-22755	1 1/4-11 1/2	3/4-14	.57
20MP-16FPS	7259-22765	1 1/4-11 1/2	1-11 1/2	.45
24MP-12FPS	7259-22785	1 1/2-11 1/2	3/4-14	.77
24MP-16FPS	7259-22795	1 1/2-11 1/2	1-11 1/2	.69
24MP-20FPS	7259-22805	1 1/2-11 1/2	1 1/4-11 1/2	.45
32MP-20FPS	7259-05425	2-11 1/2	1 1/4-11 1/2	1.20
32MP-24FPS	7259-32825	2-11 1/2	1 1/2-11 1/2	1.00

## Male Pipe NPTF to Female Pipe NPTF Increasing Bushing - Long

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MP-4FPL	7259-25365	1/8-27	1/4-18	.08
2MP-6FPL	7259-08365	1/8-27	3/8-18	.12
4MP-2FPL	7259-08615	1/4-18	1/8-27	.07
4MP-4FPL	7259-00475	1/4-18	1/4-18	.09
4MP-6FPL	7259-25385	1/4-18	3/8-18	.13
4MP-8FPL	7259-05515	1/4-18	1/2-14	.26
6MP-4FPL	7259-05025	3/8-18	1/4-18	.11
6MP-6FPL	7259-00535	3/8-18	3/8-18	.12
6MP-8FPL	7259-25415	3/8-18	1/2-14	.26
8MP-8FPL	7259-05175	1/2-14	1/2-14	.28
8MP-12FPL	7259-25435	1/2-14	3/4-14	.36
8MP-16FPL	7259-07755	1/2-14	1-11 1/2	.57
12MP-8FPL	7259-00315	3/4-14	1/2-14	.30
12MP-12FPL	7259-06545	3/4-14	3/4-14	.40
12MP-16FPL	7259-25455	3/4-14	1-11 1/2	.66
16MP-12FPL	7259-05735	1-11 1/2	3/4-14	.52
16MP-16FPL	7259-08635	1-11 1/2	1-11 1/2	.76
16MP-20FPL	7259-25475	1-11 1/2	1 1/4-11 1/2	1.05
16MP-24FPL	7259-08645	1-11 1/2	1 1/2-11 1/2	1.25
20MP-20FPL	7259-07345	1 1/4-11 1/2	1 1/4-11 1/2	.95
20MP-24FPL	7259-25495	1 1/4-11 1/2	1 1/2-11 1/2	1.29
24MP-32FPL	7259-07765	1 1/2-11 1/2	2-11 1/2	1.82

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

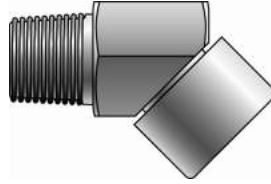
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female Pipe NPTF to Male Pipe NPTF - 45°

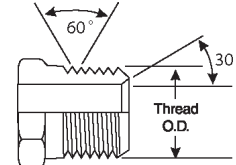
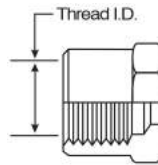
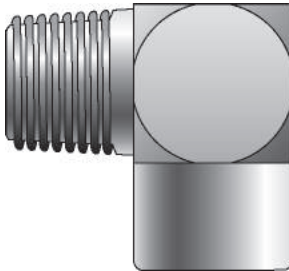
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6FP-6MP45	7259-50465	3/8-18	3/8-18	.30
8FP-8MP45	7259-50475	1/2-14	1/2-14	.30

## Male Pipe NPTF to Female Pipe NPTF - 90°

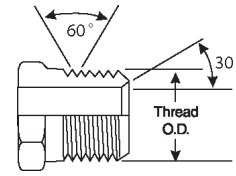
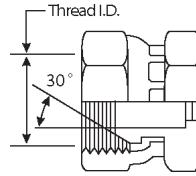
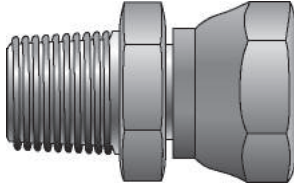
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MP-2FP90	7259-24105	1/8-27	1/8-27	.07
2MP-4FP90	7259-32835	1/8-27	1/4-18	.17
4MP-2FP90	7259-32845	1/4-18	1/8-27	.16
4MP-4FP90	7259-24115	1/4-18	1/4-18	.15
4MP-6FP90	7259-32855	1/4-18	3/8-18	.22
6MP-4FP90	7259-32865	3/8-18	1/4-18	.25
6MP-6FP90	7259-24125	3/8-18	3/8-18	.25
6MP-8FP90	7259-32875	3/8-18	1/2-14	.35
8MP-4FP90	7259-08655	1/2-14	1/4-18	.26
8MP-6FP90	7259-32885	1/2-14	3/8-18	.31
8MP-8FP90	7259-24135	1/2-14	1/2-14	.45
8MP-12FP90	7259-32895	1/2-14	3/4-14	.57
12MP-8FP90	7259-32905	3/4-14	1/2-14	.40
12MP-12FP90	7259-24145	3/4-14	3/4-14	.70
12MP-16FP90	7259-08375	3/4-14	1-11 1/2	1.03
16MP-12FP90	7259-08155	1-11 1/2	3/4-14	1.11
16MP-16FP90	7259-24155	1-11 1/2	1-11 1/2	1.13
20MP-16FP90	7259-08665	1 1/4-11 1/2	1-11 1/2	1.12
20MP-20FP90	7259-24165	1 1/4-11 1/2	1 1/4-11 1/2	1.68
24MP-24FP90	7259-24175	1 1/2-11 1/2	1 1/2-11 1/2	3.66
32MP-32FP90	7259-24185	2-11 1/2	2-11 1/2	4.45

## Male Pipe NPTF to Female Pipe Swivel NPSM

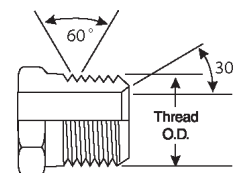
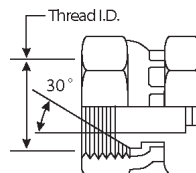
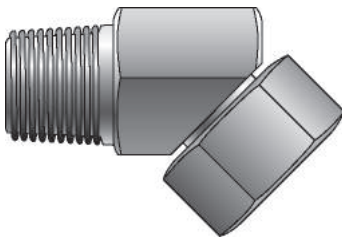
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MP-2FPX	7259-00735	1/8-27	1/8-27	.07
2MP-4FPX	7259-10635	1/8-27	1/4-18	.08
4MP-2FPX	7259-05095	1/4-18	1/8-27	.08
4MP-4FPX	7259-00775	1/4-18	1/4-18	.09
4MP-6FPX	7259-10455	1/4-18	3/8-18	.12
4MP-8FPX	7259-07355	1/4-18	1/2-14	.14
6MP-4FPX	7259-10625	3/8-18	1/4-18	.12
6MP-6FPX	7259-00815	3/8-18	3/8-18	.16
6MP-8FPX	7259-10375	3/8-18	1/2-14	.19
8MP-6FPX	7259-10365	1/2-14	3/8-18	.22
8MP-8FPX	7259-00895	1/2-14	1/2-14	.24
8MP-12FPX	7259-10865	1/2-14	3/4-14	.33
12MP-6FPX	7259-06345	3/4-14	3/8-18	.26
12MP-8FPX	7259-10645	3/4-14	1/2-14	.30
12MP-12FPX	7259-00255	3/4-14	3/4-14	.35
12MP-16FPX	7259-32935	3/4-14	1-11 1/2	.49
12MP-20FPX	7259-08675	3/4-14	1 1/4-11 1/2	.77
16MP-12FPX	7259-10935	1-11 1/2	3/4-14	.49
16MP-16FPX	7259-00275	1-11 1/2	1-11 1/2	.50
16MP-20FPX	7259-11285	1-11 1/2	1 1/4-11 1/2	.93
20MP-16FPX	7259-05595	1 1/4-11 1/2	1-11 1/2	.88
20MP-20FPX	7259-10745	1 1/4-11 1/2	1 1/4-11 1/2	1.08
20MP-24FPX	7259-06375	1 1/4-11 1/2	1 1/2-11 1/2	1.08
24MP-20FPX	7259-06305	1 1/2-11 1/2	1 1/4-11 1/2	1.14
24MP-24FPX	7259-11345	1 1/2-11 1/2	1 1/2-11 1/2	1.17
32MP-32FPX	7259-11435	2-11 1/2	2-11 1/2	1.70

## Male Pipe NPTF to Female Pipe Swivel NPSM - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MP-2FPX45	7259-32945	1/8-27	1/8-27	.07
2MP-4FPX45	7259-00505	1/8-27	1/4-18	.09
4MP-2FPX45	7259-05985	1/4-18	1/8-27	.08

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

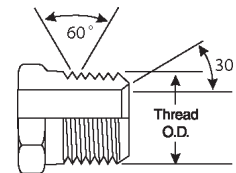
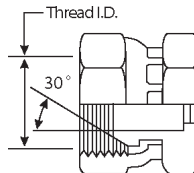
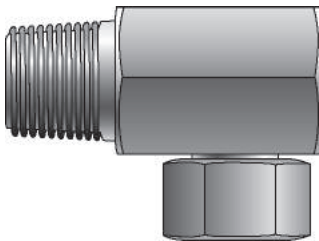



## Male Pipe NPTF to Female Pipe Swivel NPSM - 45° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MP-4FPX45	7259-02115	1/4-18	1/4-18	.09
4MP-6FPX45	7259-05265	1/4-18	3/8-18	.19
6MP-4FPX45	7259-05555	3/8-18	1/4-18	.14
6MP-6FPX45	7259-02155	3/8-18	3/8-18	.18
6MP-8FPX45	7259-32955	3/8-18	1/2-14	.23
8MP-4FPX45	7259-06465	1/2-14	1/4-18	.21
8MP-6FPX45	7259-32965	1/2-14	3/8-18	.23
8MP-8FPX45	7259-02125	1/2-14	1/2-14	.25
8MP-12FPX45	7259-06115	1/2-14	3/4-14	.39
12MP-8FPX45	7259-11535	3/4-14	1/2-14	.32
12MP-12FPX45	7259-02235	3/4-14	3/4-14	.37
12MP-16FPX45	7259-06125	3/4-14	1-11 1/2	.68
16MP-12FPX45	7259-11625	1-11 1/2	3/4-14	.66
16MP-16FPX45	7259-10765	1-11 1/2	1-11 1/2	.60
16MP-20FPX45	7259-07855	1-11 1/2	1 1/4-11 1/2	1.01
20MP-16FPX45	7259-06685	1 1/4-11 1/2	1-11 1/2	.99
20MP-20FPX45	7259-11355	1 1/4-11 1/2	1 1/4-11 1/2	.99
24MP-24FPX45	7259-11745	1 1/2-11 1/2	1 1/2-11 1/2	1.40
32MP-32FPX45	7259-32975	2-11 1/2	2-11 1/2	2.37


## Male Pipe NPTF to Female Pipe Swivel NPSM - 90°

For use up to SAE 100R2 maximum working pressure.



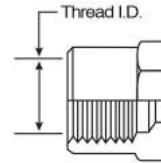
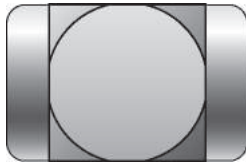
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MP-2FPX90	7259-08305	1/8-27	1/8-27	.06
2MP-4FPX90	7259-00415	1/8-27	1/4-18	.14
4MP-2FPX90	7259-05565	1/4-18	1/8-27	.11
4MP-4FPX90	7259-02135	1/4-18	1/4-18	.14
4MP-6FPX90	7259-10705	1/4-18	3/8-18	.22
4MP-8FPX90	7259-08685	1/4-18	1/2-14	.33
6MP-4FPX90	7259-10525	3/8-18	1/4-18	.20
6MP-6FPX90	7259-02165	3/8-18	3/8-18	.21
6MP-8FPX90	7259-10325	3/8-18	1/2-14	.02
8MP-4FPX90	7259-11175	1/2-14	1/4-18	.28
8MP-6FPX90	7259-10265	1/2-14	3/8-18	.29
8MP-8FPX90	7259-02205	1/2-14	1/2-14	.33
8MP-12FPX90	7259-11075	1/2-14	3/4-14	.49
12MP-6FPX90	7259-06045	3/4-14	3/8-18	.49
12MP-8FPX90	7259-02245	3/4-14	1/2-14	.50
12MP-12FPX90	7259-02265	3/4-14	3/4-14	.55
12MP-16FPX90	7259-05195	3/4-14	1-11 1/2	.77
12MP-20FPX90	7259-08705	3/4-14	3/4-14	1.98
16MP-8FPX90	7259-06775	1-11 1/2	1/2-14	.77


## Male Pipe NPTF to Female Pipe Swivel NPSM - 90° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
16MP-12FPX90	7259-11275	1-11 1/2	3/4-14	.77
16MP-16FPX90	7259-10335	1-11 1/2	1-11 1/2	.82
16MP-20FPX90	7259-11475	1-11 1/2	1 1/4-11 1/2	1.57
20MP-12FPX90	7259-08165	1 1/4-11 1/2	3/4-14	1.30
20MP-16FPX90	7259-05435	1 1/4-11 1/2	1-11 1/2	1.29
20MP-20FPX90	7259-11055	1 1/4-11 1/2	1 1/4-11 1/2	1.68
20MP-24FPX90	7259-07865	1 1/4-11 1/2	1 1/2-11 1/2	1.98
24MP-20FPX90	7259-06355	1 1/2-11 1/2	1 1/4-11 1/2	1.65
24MP-24FPX90	7259-11655	1 1/2-11 1/2	1 1/2-11 1/2	1.74
32MP-32FPX90	7259-32995	2-11 1/2	2-11 1/2	3.80

## Female Pipe NPTF to Female Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FP-2FP	7259-24415	1/8-27	1/8-27	.04
4FP-2FP	7259-05035	1/4-18	1/8-27	.08
4FP-4FP	7259-24425	1/4-18	1/4-18	.08
6FP-2FP	7259-08385	3/8-18	1/8-27	.10
6FP-4FP	7259-00495	3/8-18	1/4-18	.09
6FP-6FP	7259-24435	3/8-18	3/8-18	.10
8FP-4FP	7259-05575	1/2-14	1/4-18	.28
8FP-6FP	7259-00715	1/2-14	3/8-18	.20
8FP-8FP	7259-24445	1/2-14	1/2-14	.25
12FP-8FP	7259-00525	3/4-14	1/2-14	.31
12FP-12FP	7259-24455	3/4-14	3/4-14	.33
16FP-8FP	7259-08715	1-11 1/2	1/2-14	.07
16FP-12FP	7259-05745	1-11 1/2	3/4-14	.46
16FP-16FP	7259-24465	1-11 1/2	1-11 1/2	.49
20FP-16FP	7259-08395	1 1/4-11 1/2	1-11 1/2	.89
20FP-20FP	7259-24475	1 1/4-11 1/2	1 1/4-11 1/2	1.32
24FP-24FP	7259-24885	1 1/2-11 1/2	1 1/2-11 1/2	1.32
32FP-32FP	7259-24895	2-11 1/2	2-11 1/2	1.41

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

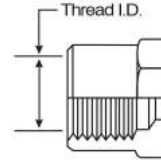
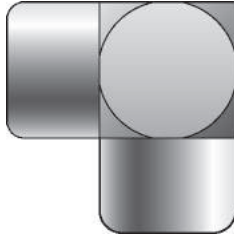
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female Pipe NPTF to Female Pipe NPTF - 90°

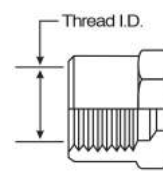
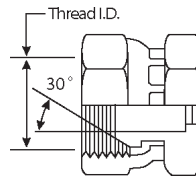
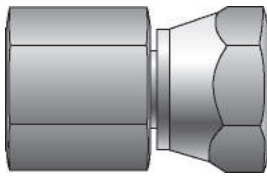
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FP-2FP90	7259-25015	1/8-27	1/8-27	.07
4FP-2FP90	7259-33005	1/4-18	1/8-27	.15
4FP-4FP90	7259-25025	1/4-18	1/4-18	.15
6FP-4FP90	7259-33015	3/8-18	1/4-18	.23
6FP-6FP90	7259-25035	3/8-18	3/8-18	.21
8FP-4FP90	7259-08725	1/2-14	1/4-18	.42
8FP-6FP90	7259-33025	1/2-14	3/8-18	.40
8FP-8FP90	7259-25045	1/2-14	1/2-14	.40
12FP-8FP90	7259-33035	3/4-14	1/2-14	.68
12FP-12FP90	7259-25055	3/4-14	3/4-14	.57
16FP-12FP90	7259-08175	1-11 1/2	3/4-14	1.14
16FP-16FP90	7259-25065	1-11 1/2	1-11 1/2	1.13
20FP-20FP90	7259-25075	1 1/4-11 1/2	1 1/4-11 1/2	1.15
24FP-24FP90	7259-33055	1 1/2-11 1/2	1 1/2-11 1/2	3.80
32FP-32FP90	7259-07485	2-11 1/2	2-11 1/2	1.68


## Female Pipe NPTF to Female Pipe Swivel NPSM

For use up to SAE 100R2 maximum working pressure.



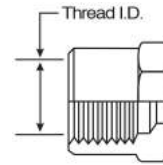
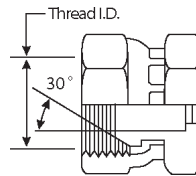
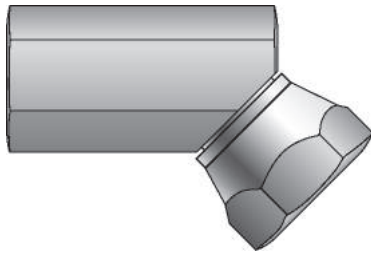
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FP-2FPX	7259-33065	1/8-27	1/8-27	.06
2FP-4FPX	7259-00435	1/8-27	1/4-18	.07
4FP-2FPX	7259-07515	1/4-18	1/8-27	.08
4FP-4FPX	7259-00795	1/4-18	1/4-18	.10
4FP-6FPX	7259-05205	1/4-18	3/8-18	.12
6FP-4FPX	7259-33085	3/8-18	1/4-18	.13
6FP-6FPX	7259-00835	3/8-18	3/8-18	.16
6FP-8FPX	7259-05105	3/8-18	1/2-14	.29
8FP-4FPX	7259-08735	1/2-14	1/4-18	.19
8FP-6FPX	7259-33095	1/2-14	3/8-18	.20
8FP-8FPX	7259-00915	1/2-14	1/2-14	.24
8FP-12FPX	7259-06695	1/2-14	3/4-14	.33
12FP-8FPX	7259-07165	3/4-14	1/2-14	.29
12FP-12FPX	7259-00925	3/4-14	3/4-14	.36
12FP-16FPX	7259-07775	3/4-14	1-11 1/2	.60


## Female Pipe NPTF to Female Pipe Swivel NPSM - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
16FP-12FPX	7259-11595	1-11 1/2	3/4-14	.49
16FP-16FPX	7259-00905	1-11 1/2	1-11 1/2	.56
20FP-20FPX	7259-11015	1 1/4-11 1/2	1 1/4-11 1/2	.77
24FP-24FPX	7259-11545	1 1/2-11 1/2	1 1/2-11 1/2	1.01
32FP-32FPX	7259-11725	2-11 1/2	2-11 1/2	1.42

## Female Pipe NPTF to Female Pipe Swivel NPSM - 45°

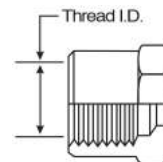
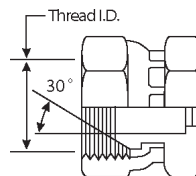
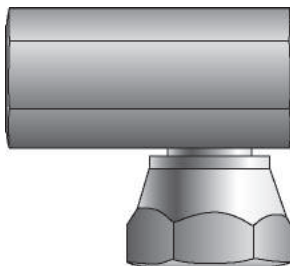
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FP-2FPX45	7259-06145	1/8-27	1/8-27	.07
2FP-4FPX45	7259-08745	1/8-27	1/4-18	.08
4FP-4FPX45	7259-11575	1/4-18	1/4-18	.14
6FP-4FPX45	7259-06785	3/8-18	1/4-18	.20
6FP-6FPX45	7259-11455	3/8-18	3/8-18	.22
6FP-8FPX45	7259-08185	3/8-18	1/2-14	.26
8FP-6FPX45	7259-06415	1/2-14	3/8-18	.37
8FP-8FPX45	7259-11305	1/2-14	1/2-14	.37
12FP-12FPX45	7259-11325	3/4-14	3/4-14	.54
16FP-12FPX45	7259-06565	1-11 1/2	3/4-14	.92
16FP-16FPX45	7259-11515	1-11 1/2	1-11 1/2	.92
20FP-20FPX45	7259-33105	1 1/4-11 1/2	1 1/4-11 1/2	1.20

## Female Pipe NPTF to Female Pipe Swivel NPSM - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FP-2FPX90	7259-05475	1/8-27	1/8-27	.08

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

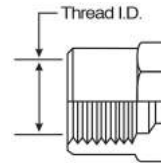
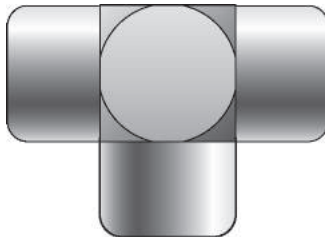
EQUIPMENT AND  
PARTS


## Female Pipe NPTF to Female Pipe Swivel NPSM - 90° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FP-4FPX90	7259-08755	1/8-27	1/4-18	.11
4FP-2FPX90	7259-06285	1/4-18	1/8-27	.14
4FP-4FPX90	7259-11005	1/4-18	1/4-18	.17
4FP-6FPX90	7259-06245	1/4-18	3/8-18	.20
6FP-4FPX90	7259-06825	3/8-18	1/4-18	.24
6FP-6FPX90	7259-10955	3/8-18	3/8-18	.26
6FP-8FPX90	7259-06965	3/8-18	1/2-14	.28
8FP-6FPX90	7259-06855	1/2-14	3/8-18	.40
8FP-8FPX90	7259-10615	1/2-14	1/2-14	.43
8FP-12FPX90	7259-06485	1/2-14	3/4-14	.55
12FP-8FPX90	7259-06585	3/4-14	1/2-14	.68
12FP-12FPX90	7259-11095	3/4-14	3/4-14	.93
16FP-12FPX90	7259-06595	1-11 1/2	3/4-14	1.11
16FP-16FPX90	7259-11765	1-11 1/2	1-11 1/2	1.19
20FP-16FPX90	7259-08405	1 1/4-11 1/2	1-11 1/2	1.37
20FP-20FPX90	7259-33115	1 1/4-11 1/2	1 1/4-11 1/2	1.54
24FP-24FPX90	7259-33125	1 1/2-11 1/2	1 1/2-11 1/2	3.70
32FP-32FPX90	7259-33135	2-11 1/2	2-11 1/2	4.56

## Female Pipe NPTF - Tee

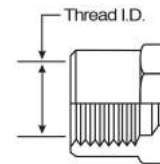
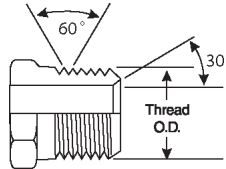
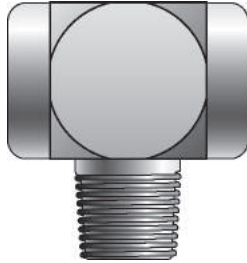
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FP-2FP-2FP	7259-23145	1/8-27		.08
4FP-4FP-4FP	7259-23155	1/4-18		.21
6FP-6FP-6FP	7259-23165	3/8-18		.26
8FP-8FP-8FP	7259-23175	1/2-14		.45
12FP-12FP-12FP	7259-23185	3/4-14		.67
16FP-16FP-16FP	7259-23195	1-11 1/2		1.32
20FP-20FP-20FP	7259-33145	1 1/4-11 1/2		1.40
24FP-24FP-24FP	7259-33155	1 1/2-11 1/2		4.20
32FP-32FP-32FP	7259-07245	2-11 1/2		4.30

## Female Pipe NPTF on Run to Male Pipe NPTF - Tee

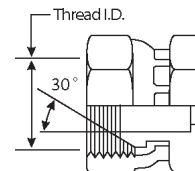
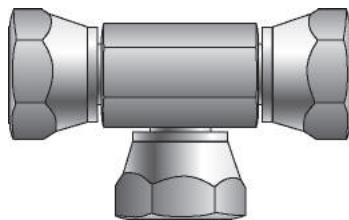
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
2FP-2FP-2MP	7259-24905	1/8-27	.08
4FP-4FP-4MP	7259-24915	1/4-18	.18
6FP-6FP-6MP	7259-24925	3/8-18	.21
8FP-8FP-8MP	7259-24935	1/2-14	.44
12FP-12FP-12MP	7259-24945	3/4-14	.88
16FP-16FP-16MP	7259-24955	1-11 1/2	1.22
20FP-20FP-20MP	7259-07875	1 1/4-11 1/2	1.45
24FP-24FP-24MP	7259-08765	1 1/2-11 1/2	4.19

## Female Pipe Swivel NPSM - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight (Lbs.)
		"	
2FPX-2FPX-2FPX	7253-33165	1/8-27	.12
4FPX-4FPX-4FPX	7253-33175	1/4-18	.20
6FPX-6FPX-6FPX	7253-33185	3/8-18	.35
8FPX-8FPX-8FPX	7259-33195	1/2-14	.44
12FPX-12FPX-12FPX	7259-33205	3/4-14	.76
16FPX-16FPX-16FPX	7253-33215	1-11 1/2	1.32
20FPX-20FPX-20FPX	7253-33225	1 1/4-11 1/2	2.32

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

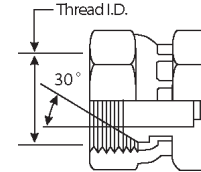
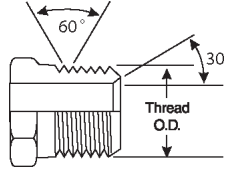
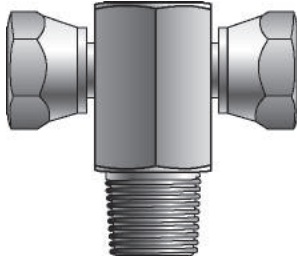
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female Pipe Swivel NPSM on Run to Male Pipe NPTF - Tee

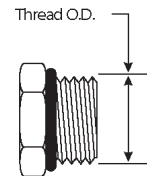
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
2FPX-2FPX-2MP	7253-86585	1/8-27	.10
4FPX-4FPX-4MP	7253-86586	1/4-18	.21
6FPX-6FPX-6MP	7253-86587	3/8-18	.39
8FPX-8FPX-8MP	7253-86588	1/2-14	.53
12FPX-12FPX-12MP	7253-86589	3/4-14	.87
16FPX-16FPX-16MP	7253-86591	1-11 1/2	1.47
20FPX-20FPX-20MP	7253-33235	1 1/4-11 1/2	2.50

## Male O-Ring Boss Plug

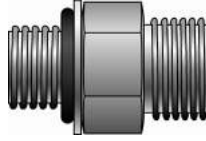
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight (Lbs.)
		"	
2MB-PLUG	7259-05415	5/16-24	.02
3MB-PLUG	7259-05255	3/8-24	.13
4MB-PLUG	7259-22975	7/16-20	.04
5MB-PLUG	7259-22985	1/2-20	.05
6MB-PLUG	7259-22995	9/16-18	.06
8MB-PLUG	7259-23005	3/4-16	.10
10MB-PLUG	7259-23015	7/8-14	.15
12MB-PLUG	7259-23025	1 1/16-12	.26
14MB-PLUG	7259-23035	1 3/16-12	.32
16MB-PLUG	7259-23045	1 5/16-12	.37
20MB-PLUG	7259-23055	1 5/8-12	.64
24MB-PLUG	7259-05185	1 7/8-12	.86
32MB-PLUG	7259-07615	2 1/2-12	1.66

## Male O-Ring Boss to Male Pipe NPTF

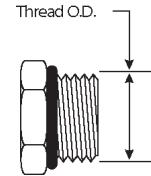
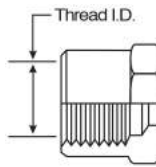
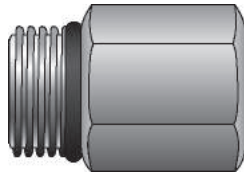
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8MB-8MP	7259-50725	3/4-16	1/2-14	.15
10MB-8MP	7259-50735	7/8-14	1/2-14	.30

## Male O-Ring Boss to Female Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
3MB-2FP	7259-08785	3/8-24	1/8-27	.04
4MB-2FP	7259-24205	7/16-20	1/8-27	.05
4MB-4FP	7259-00395	7/16-20	1/4-18	.09
4MB-6FP	7259-05145	7/16-20	3/8-18	.11
5MB-2FP	7259-05945	1/2-20	1/8-27	.05
5MB-4FP	7259-05755	1/2-20	1/4-18	.09
6MB-2FP	7259-08805	9/16-18	1/8-27	.02
6MB-4FP	7259-24215	9/16-18	1/4-18	.10
6MB-6FP	7259-00205	9/16-18	3/8-18	.14
6MB-8FP	7259-06605	9/16-18	1/2-14	.23
8MB-4FP	7259-00245	3/4-16	1/4-18	.13
8MB-6FP	7259-24225	3/4-16	3/8-18	.12
8MB-8FP	7259-33255	3/4-16	1/2-14	.23
8MB-12FP	7259-06715	3/4-16	3/4-14	.34
10MB-4FP	7259-07255	7/8-14	1/4-18	.11
10MB-6FP	7259-00335	7/8-14	3/8-18	.23
10MB-8FP	7259-24235	7/8-14	1/2-14	.24
10MB-12FP	7259-05315	7/8-14	3/4-14	.37
12MB-8FP	7259-24245	1 1/16-12	1/2-14	.30
12MB-12FP	7259-24255	1 1/16-12	3/4-14	.35
12MB-16FP	7259-06155	1 1/16-12	1-11 1/2	.54
14MB-12FP	7259-24265	1 3/16-12	3/4-14	.36
16MB-8FP	7259-05495	1 5/16-12	7/8-14	.47
16MB-12FP	7259-33265	1 5/16-12	3/4-14	.43
16MB-16FP	7259-24275	1 5/16-12	1-11 1/2	.51
20MB-16FP	7259-05445	1 5/8-12	1-11 1/2	.70

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

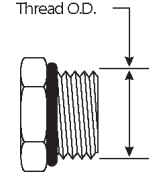
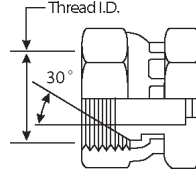
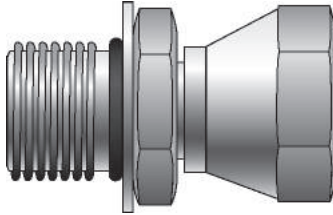
ACCESSORIES


EQUIPMENT AND  
PARTS



## Male O-Ring Boss to Female Pipe Swivel NPSM

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MB-2FPX	7259-06725	7/16-20	1/8-27	.15
4MB-4FPX	7259-10475	7/16-20	1/4-18	.07
4MB-6FPX	7259-05395	7/16-20	3/8-18	.11
5MB-4FPX	7259-11065	1/2-20	1/4-18	.08
5MB-8FPX	7259-11735	1/2-20	1/2-14	.17
6MB-4FPX	7259-10585	9/16-18	1/4-18	.09
6MB-6FPX	7259-10445	9/16-18	3/8-18	.11
6MB-8FPX	7259-07495	9/16-18	1/2-24	.15
8MB-4FPX	7259-11115	3/4-16	1/4-18	.13
8MB-6FPX	7259-10535	3/4-16	3/8-18	.16
8MB-8FPX	7259-00295	3/4-16	1/2-14	.18
8MB-12FPX	7259-11105	3/4-16	3/4-14	.25
10MB-6FPX	7259-11155	7/8-14	3/8-18	.20
10MB-8FPX	7259-10215	7/8-14	1/2-14	.22
10MB-12FPX	7259-10665	7/8-14	3/4-14	.30
12MB-8FPX	7259-10725	1 1/16-12	1/2-14	.32
12MB-12FPX	7259-10315	1 1/16-12	3/4-14	.34
12MB-16FPX	7259-05535	1 1/16-12	1-11 1/2	.50
14MB-12FPX	7259-33275	1 3/16-12	3/4-14	.44
16MB-12FPX	7259-05115	1 5/16-12	3/4-14	.49
16MB-16FPX	7259-33285	1 5/16-12	1-11 1/2	.53
16MB-20FPX	7259-08035	1 5/16-12	1 1/4-11 1/2	.80
20MB-12FPX	7259-08815	1 5/8-12	3/4-14	.74
20MB-16FPX	7259-06925	1 5/8-12	1-11 1/2	.79
20MB-20FPX	7259-05605	1 5/8-12	1 1/4-11 1/2	.96
24MB-20FPX	7259-08825	1 7/8-12	1 1/4-11 1/2	1.17
24MB-24FPX	7259-07625	1 7/8-12	1 1/2-11 1/2	1.80
32MB-32FPX	7259-07885	2 1/2-12	2-11 1/2	2.21

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

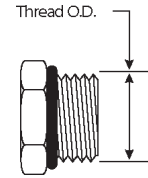
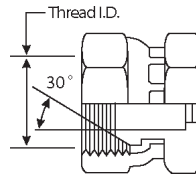
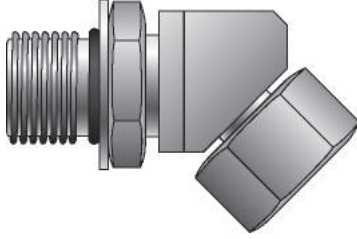
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male O-Ring Boss to Female Pipe Swivel NPSM - 45°

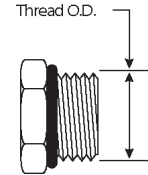
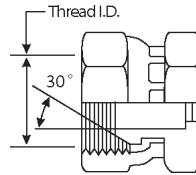
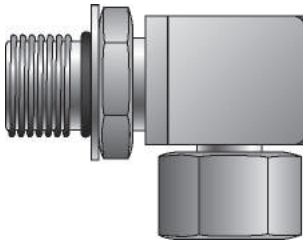
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MB-2FPX45	7259-08835	7/16-20	1/8-27	.08
4MB-4FPX45	7259-05015	7/16-20	1/4-18	.25
4MB-6FPX45	7259-07795	7/16-20	3/8-18	.19
6MB-4FPX45	7259-05825	9/16-18	1/4-18	.25
6MB-6FPX45	7259-10915	9/16-18	3/8-18	.17
6MB-8FPX45	7259-06365	9/16-18	1/2-14	.25
8MB-4FPX45	7259-08845	3/4-16	1/4-18	.22
8MB-6FPX45	7259-11495	3/4-16	3/8-18	.24
8MB-8FPX45	7259-10875	3/4-16	1/2-14	.28
8MB-12FPX45	7259-33295	3/4-16	3/4-14	.47
10MB-6FPX45	7259-11645	7/8-14	3/8-18	.33
10MB-8FPX45	7259-10815	7/8-14	1/2-14	.35
10MB-12FPX45	7259-06575	7/8-14	3/4-14	.50
12MB-8FPX45	7259-08205	1 1/16-12	1/2-14	.50
12MB-12FPX45	7259-11315	1 1/16-12	3/4-14	.57
12MB-16FPX45	7259-07265	1 1/16-12	1-11 1/2	.79
16MB-12FPX45	7259-07425	1 5/16-12	3/4-14	.76
16MB-16FPX45	7259-33325	1 5/16-12	1-11 1/2	.79
20MB-20FPX45	7259-06615	1 5/8-12	1 1/4-11 1/2	1.59
24MB-24FPX45	7259-08415	1 7/8-12	1 1/2-11 1/2	.40

## Male O-Ring Boss to Female Pipe Swivel NPSM - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MB-2FPX90	7259-08215	7/16-20	1/8-27	.12
4MB-4FPX90	7259-10835	7/16-20	1/4-18	.12
4MB-6FPX90	7259-06625	7/16-20	3/8-18	.22
6MB-4FPX90	7259-10405	9/16-18	1/4-18	.13
6MB-6FPX90	7259-10285	9/16-18	3/8-18	.23
6MB-8FPX90	7259-05045	9/16-18	1/2-14	.33
8MB-4FPX90	7259-06175	3/4-16	1/4-18	.26

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

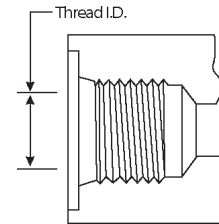
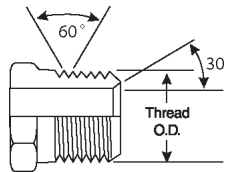
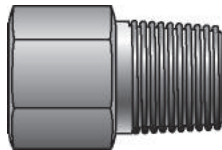
EQUIPMENT AND  
PARTS


## Male O-Ring Boss to Female Pipe Swivel NPSM - 90° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8MB-6FPX90	7259-10295	3/4-16	3/8-18	.28
8MB-8FPX90	7259-10155	3/4-16	1/2-14	.34
8MB-12FPX90	7259-11335	3/4-16	3/4-14	.57
10MB-6FPX90	7259-11215	7/8-14	3/8-18	.36
10MB-8FPX90	7259-10345	7/8-14	1/2-14	.37
10MB-12FPX90	7259-11295	7/8-14	3/4-14	.60
12MB-6FPX90	7259-07895	1 1/16-12	3/8-18	.61
12MB-8FPX90	7259-00515	1 1/16-12	1/2-14	.65
12MB-12FPX90	7259-10575	1 1/16-12	3/4-14	.67
12MB-16FPX90	7259-06935	1 1/16-12	1-11 1/2	.99
14MB-12FPX90	7259-07175	1 3/16-12	3/4-14	.88
16MB-12FPX90	7259-05805	1 5/16-12	3/4-14	.94
16MB-16FPX90	7259-11125	1 5/16-12	1-11 1/2	1.07
16MB-20FPX90	7259-06875	1 5/16-12	1 1/4-11 1/2	1.79
20MB-12FPX90	7259-06945	1 5/8-12	3/4-14	1.59
20MB-16FPX90	7259-06635	1 5/8-12	1-11 1/2	1.98
20MB-20FPX90	7259-05905	1 5/8-12	1 1/4-11 1/2	1.98
24MB-24FPX90	7259-08855	1 7/8-12	1 1/2-11 1/2	2.19
32MB-32FPX90	7259-08045	2 1/2-12	2-11 1/2	4.54

## Female O-Ring Boss to Male Pipe NPTF

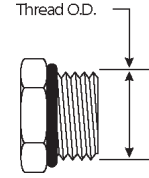
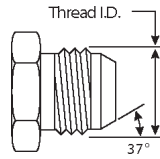
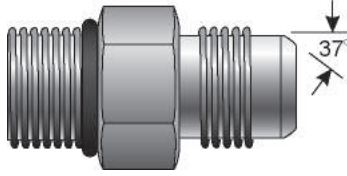
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FB-2MP	7259-33335	7/16-20	1/8-27	.07
4FB-4MP	7259-06515	7/16-20	1/4-18	.08
5FB-2MP	7259-33355	1/2-20	1/8-27	.10
6FB-4MP	7259-33345	9/16-18	1/4-18	.12
6FB-6MP	7259-00385	9/16-18	3/8-18	.13
6FB-8MP	7259-00485	9/16-18	1/2-14	.17
8FB-6MP	7259-33365	3/4-16	3/8-18	.17
8FB-8MP	7259-08875	3/4-16	1/2-14	.20
10FB-8MP	7259-33375	7/8-14	1/2-14	.31
12FB-8MP	7259-06955	1 1/16-12	1/2-14	.36
12FB-12MP	7259-33385	1 1/16-12	3/4-14	.37
16FB-12MP	7259-08885	1 5/16-12	3/4-14	.43
16FB-16MP	7259-33395	1 5/16-12	1-11 1/2	.54

## Male O-Ring Boss to Male JIC 37° Flare

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MB-2MJ	7259-07275	5/16-24	5/16-24	.03
2MB-4MJ	7259-08895	5/16-24	7/16-20	.05
3MB-4MJ	7259-06255	3/8-24	7/16-20	.03
4MB-3MJ	7259-08905	7/16-20	3/8-24	.04
4MB-4MJ	7259-10025	7/16-20	7/16-20	.05
4MB-5MJ	7259-05005	7/16-20	1/2-20	.06
4MB-6MJ	7259-33405	7/16-20	9/16-18	.06
4MB-8MJ	7259-08915	7/16-20	3/4-16	.11
5MB-3MJ	7253-86885	1/2-20	3/8-24	.06
5MB-4MJ	7259-10775	1/2-20	7/16-20	.06
5MB-5MJ	7259-10855	1/2-20	1/2-20	.06
5MB-6MJ	7259-33415	1/2-20	9/16-18	.07
6MB-4MJ	7259-10045	9/16-18	7/16-20	.08
6MB-5MJ	7259-00455	9/16-18	1/2-20	.08
6MB-6MJ	7259-04685	9/16-18	9/16-18	.08
6MB-8MJ	7259-10145	9/16-18	3/4-16	.11
6MB-10MJ	7259-33425	9/16-18	7/8-14	.16
6MB-12MJ	7259-07635	9/16-18	1 1/16-12	.28
8MB-4MJ	7259-00025	3/4-16	7/16-20	.11
8MB-5MJ	7259-06885	3/4-16	1/2-20	.11
8MB-6MJ	7259-04775	3/4-16	9/16-18	.16
8MB-8MJ	7259-10015	3/4-16	3/4-16	.14
8MB-10MJ	7259-10425	3/4-16	7/8-14	.18
8MB-12MJ	7259-10305	3/4-16	1 1/16-12	.31
8MB-16MJ	7259-07285	3/4-16	1 5/16-12	.43
10MB-4MJ	7259-00105	7/8-14	7/16-20	.17
10MB-6MJ	7259-10095	7/8-14	9/16-18	.19
10MB-8MJ	7259-10075	7/8-14	3/4-16	.18
10MB-10MJ	7259-10065	7/8-14	7/8-14	.25
10MB-12MJ	7259-00235	7/8-14	1 1/16-12	.29
10MB-16MJ	7259-00355	7/8-14	1 5/16-12	.44
12MB-4MJ	7259-07905	1 1/16-12	7/16-20	.26
12MB-6MJ	7259-00305	1 1/16-12	9/16-18	.33
12MB-8MJ	7259-10035	1 1/16-12	3/4-16	.33
12MB-10MJ	7259-10755	1 1/16-12	7/8-14	.35
12MB-12MJ	7259-10115	1 1/16-12	1 1/16-12	.34
12MB-14MJ	7259-08225	1 1/16-12	1 3/16-12	.35
12MB-16MJ	7259-10885	1 1/16-12	1 5/16-12	.42
12MB-20MJ	7259-06005	1 1/16-12	1 5/8-12	1.13
14MB-10MJ	7259-08425	1 3/16-12	7/8-14	.35
14MB-12MJ	7259-06185	1 3/16-12	1 1/16-12	.38
14MB-14MJ	7259-07525	1 3/16-12	1 3/16-12	.41
14MB-16MJ	7259-08235	1 3/16-12	1 5/16-12	.43
16MB-8MJ	7259-00125	1 5/16-12	3/4-16	.40
16MB-10MJ	7259-11385	1 5/16-12	7/8-14	.40
16MB-12MJ	7259-10135	1 5/16-12	1 1/16-12	.54
16MB-16MJ	7259-10055	1 5/16-12	1 5/16-12	.47
16MB-20MJ	7259-05485	1 5/16-12	1 5/8-12	.66

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

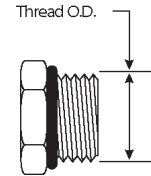
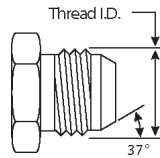
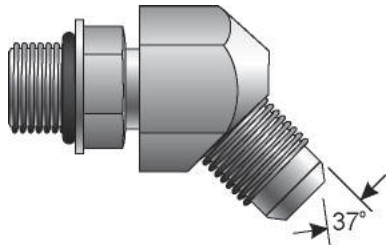
EQUIPMENT AND  
PARTS


## Male O-Ring Boss to Male JIC 37° Flare - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
20MB-10MJ	7253-86907	1 5/8-12	7/8-14	.35
20MB-12MJ	7259-11255	1 5/8-12	1 1/16-12	.69
20MB-16MJ	7259-10245	1 5/8-12	1 5/16-12	.72
20MB-20MJ	7259-11235	1 5/8-12	1 5/8-12	1.01
20MB-24MJ	7259-06315	1 5/8-12	1 7/8-12	.92
24MB-16MJ	7259-00365	1 7/8-12	1 5/16-12	.93
24MB-20MJ	7259-05505	1 7/8-12	1 5/8-12	1.00
24MB-24MJ	7259-05345	1 7/8-12	1 7/8-12	1.05
32MB-24MJ	7259-07645	2 1/2-12	1 7/8-12	1.83
32MB-32MJ	7259-09855	2 1/2-12	2 1/2-12	2.05

## Male O-Ring Boss to Male JIC 37° Flare - 45°

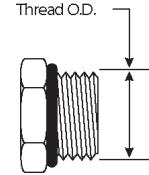
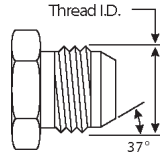
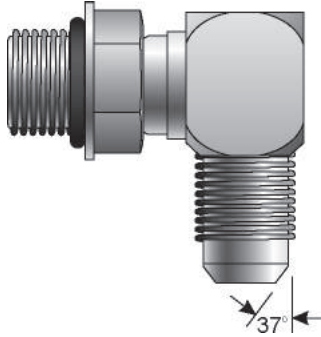
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MB-4MJ45	7259-28565	7/16-20	7/16-20	.06
4MB-6MJ45	7259-00095	7/16-20	9/16-18	.10
5MB-5MJ45	7259-28575	1/2-20	1/2-20	.09
5MB-6MJ45	7259-05405	1/2-20	9/16-18	.09
6MB-4MJ45	7259-00065	9/16-18	7/16-20	.10
6MB-6MJ45	7259-28585	9/16-18	9/16-18	.10
6MB-8MJ45	7259-05335	9/16-18	3/4-16	.17
8MB-6MJ45	7259-77595	3/4-16	9/16-18	.19
8MB-8MJ45	7259-28255	3/4-16	3/4-16	.20
8MB-10MJ45	7259-28415	3/4-16	7/8-14	.30
8MB-12MJ45	7259-06895	3/4-16	1 1/16-12	.41
10MB-8MJ45	7259-28425	7/8-14	3/4-16	.30
10MB-10MJ45	7259-10895	7/8-14	7/8-14	.26
10MB-12MJ45	7259-05785	7/8-14	1 1/16-12	.45
12MB-10MJ45	7259-77605	1 1/16-12	7/8-14	.51
12MB-12MJ45	7259-28595	1 1/16-12	1 1/16-12	.41
12MB-16MJ45	7259-28435	1 1/16-12	1 5/16-12	.77
14MB-14MJ45	7259-28605	1 3/16-12	1 3/16-12	.76
16MB-12MJ45	7259-28445	1 5/16-12	1 1/16-12	.75
16MB-16MJ45	7259-28615	1 5/16-12	1 5/16-12	.66
16MB-20MJ45	7259-08065	1 5/16-12	1 5/8-12	1.20
20MB-16MJ45	7259-07295	1 5/8-12	1 5/16-12	1.13
20MB-20MJ45	7259-05955	1 5/8-12	1 5/8-12	1.19
24MB-24MJ45	7259-06975	1 7/8-12	1 7/8-12	2.18

## Male O-Ring Boss to Male JIC 37° Flare - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MB-2MJ90	7259-08925	5/16-24	5/16-24	.07
3MB-3MJ90	7259-77615	3/8-24	3/8-24	.06
4MB-4MJ90	7259-28265	7/16-20	7/16-20	.07
4MB-5MJ90	7259-77625	7/16-20	1/2-20	.10
4MB-6MJ90	7259-28455	7/16-20	9/16-18	.11
4MB-8MJ90	7259-09825	7/16-20	3/4-16	.32
5MB-4MJ90	7259-05615	1/2-20	7/16-20	.10
5MB-5MJ90	7259-28625	1/2-20	1/2-20	.12
5MB-6MJ90	7259-05075	1/2-20	9/16-18	.11
5MB-8MJ90	7259-06985	1/2-20	3/4-16	.20
6MB-4MJ90	7259-28465	9/16-18	7/16-20	.13
6MB-5MJ90	7259-28475	9/16-18	1/2-20	.17
6MB-6MJ90	7259-28275	9/16-18	9/16-18	.13
6MB-8MJ90	7259-28485	9/16-18	3/4-16	.21
6MB-10MJ90	7259-28495	9/16-18	7/8-14	.30
6MB-12MJ90	7259-07915	9/16-18	1 1/16-12	.50
8MB-4MJ90	7259-05165	3/4-16	7/16-20	.24
8MB-5MJ90	7259-08075	3/4-16	1/2-20	.22
8MB-6MJ90	7259-28505	3/4-16	9/16-18	.23
8MB-8MJ90	7259-28285	3/4-16	3/4-16	.25
8MB-10MJ90	7259-28515	3/4-16	7/8-14	.35
8MB-12MJ90	7259-28525	3/4-16	1 1/16-12	.54
8MB-16MJ90	7259-08445	3/4-16	3/4-16	.78
10MB-5MJ90	7259-08935	7/8-14	1/2-20	.35
10MB-6MJ90	7259-00215	7/8-14	9/16-18	.34
10MB-8MJ90	7259-28295	7/8-14	3/4-16	.36
10MB-10MJ90	7259-28635	7/8-14	7/8-14	.35
10MB-12MJ90	7259-28535	7/8-14	1 1/16-12	.56
10MB-16MJ90	7259-05275	7/8-14	1 5/16-12	.84
12MB-6MJ90	7259-05065	1 1/16-12	9/16-18	.62
12MB-8MJ90	7259-00055	1 1/16-12	3/4-16	.66
12MB-10MJ90	7259-28545	1 1/16-12	7/8-14	.60
12MB-12MJ90	7259-28645	1 1/16-12	1 1/16-12	.60
12MB-14MJ90	7259-08945	1 1/16-12	1 3/16-12	.99
12MB-16MJ90	7259-28555	1 1/16-12	1 5/16-12	.92
12MB-20MJ90	7259-08435	1 1/16-12	1 5/8-12	1.44
14MB-12MJ90	7259-06435	1 3/16-12	1 1/16-12	.89
14MB-14MJ90	7259-28655	1 3/16-12	1 3/16-12	.88
14MB-16MJ90	7259-07305	1 3/16-12	1 5/16-12	.88
14MB-20MJ90	7259-08955	1 3/16-12	1 5/8-12	1.37
16MB-8MJ90	7259-05885	1 5/16-12	3/4-16	.94
16MB-10MJ90	7259-08965	1 5/16-12	7/8-14	.89

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

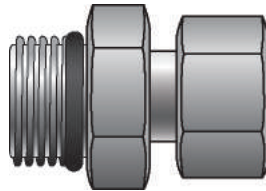
EQUIPMENT AND  
PARTS


## Male O-Ring Boss to Male JIC 37° Flare - 90° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
16MB-12MJ90	7259-28315	1 5/16-12	1 1/16-12	.79
16MB-14MJ90	7259-08975	1 5/16-12	1 3/16-12	1.04
16MB-16MJ90	7259-28325	1 5/16-12	1 5/16-12	.93
16MB-20MJ90	7259-77655	1 5/16-12	1 5/8-12	1.44
16MB-24MJ90	7259-08255	1 5/16-12	1 7/8-12	2.01
20MB-10MJ90	7259-08265	1 5/8-12	7/8-14	1.59
20MB-12MJ90	7259-05995	1 5/8-12	1 1/16-12	1.59
20MB-16MJ90	7259-05055	1 5/8-12	1 5/16-12	1.68
20MB-20MJ90	7259-77665	1 5/8-12	1 5/8-12	1.25
20MB-24MJ90	7259-06015	1 5/8-12	1 7/8-12	1.98
24MB-20MJ90	7259-06525	1 7/8-12	1 5/8-12	2.06
24MB-24MJ90	7259-77675	1 7/8-12	1 7/8-12	1.87
32MB-32MJ90	7259-07135	2 1/2-12	2 1/2-12	4.48

## Male O-Ring Boss to Female JIC 37° Flare Swivel

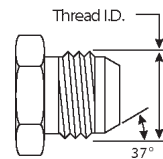
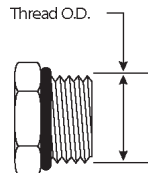
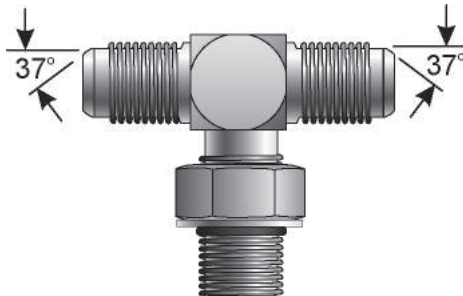
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6MB-6FJX	7259-42155	9/16-18		.09
8MB-8FJX	7259-42185	3/4-16		.16

## Male JIC 37° Flare on Run to Male O-Ring Boss - Tee


For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
4MJ-4MJ-4MB	7259-33615	7/16-20	7/16-20	7/16-20	.09
5MJ-5MJ-5MB	7259-33625	1/2-20	1/2-20	1/2-20	.13
6MJ-6MJ-6MB	7259-33635	9/16-18	9/16-18	9/16-18	.17
6MJ-6MJ-8MB	7259-06165	9/16-18	9/16-18	3/4-16	.29

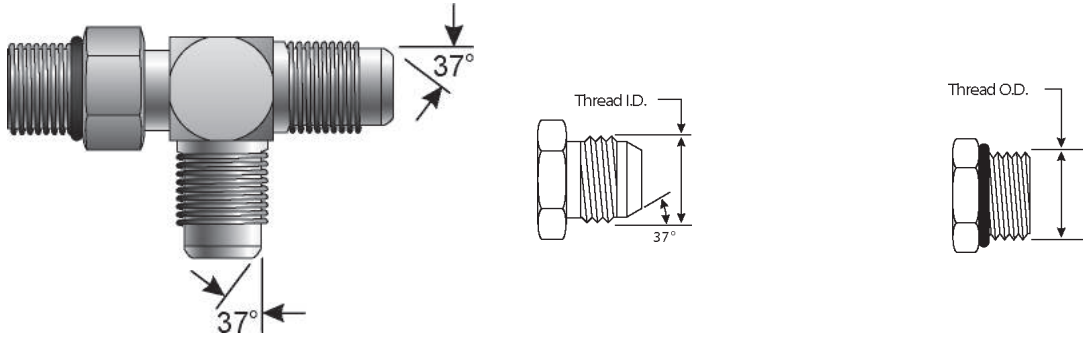



## Male JIC 37° Flare on Run to Male O-Ring Boss - Tee - Continued

Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
8MJ-8MJ-8MB	7259-33645	3/4-16	3/4-16	3/4-16	.32
8MJ-8MJ-10MB	7259-07655	3/4-16	3/4-16	7/8-14	.50
10MJ-10MJ-10MB	7259-33655	7/8-14	7/8-14	7/8-14	.46
12MJ-12MJ-10MB	7259-08985	1 1/16-12	1 1/16-12	7/8-14	.72
12MJ-12MJ-12MB	7259-33665	1 1/16-12	1 1/16-12	1 1/16-12	.80
14MJ-14MJ-14MB	7259-08995	1 3/16-12	1 3/16-12	1 3/16-12	1.10
16MJ-16MJ-16MB	7259-33675	1 5/16-12	1 5/16-12	1 5/16-12	1.07
20MJ-20MJ-20MB	7259-09005	1 5/8-12	1 5/8-12	1 5/8-12	1.98
24MJ-24MJ-24MB	7259-09015	1 7/8-12	1 7/8-12	1 7/8-12	2.65

## Male O-Ring Boss to Male JIC 37° Flare to Male JIC 37° Flare - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
4MB-4MJ-4MJ	7259-33685	7/16-20	7/16-20	7/16-20	.09
5MB-5MJ-5MJ	7259-33695	1/2-20	1/2-20	1/2-20	.15
6MB-6MJ-6MJ	7259-33705	9/16-18	9/16-18	9/16-18	.15
6MB-8MJ-6MJ	7259-00185	9/16-18	3/4-16	9/16-18	.28
8MB-8MJ-8MJ	7259-33715	3/4-16	3/4-16	3/4-16	.32
10MB-10MJ-10MJ	7259-33725	7/8-14	7/8-14	7/8-14	.46
12MB-12MJ-12MJ	7259-33735	1 1/16-12	1 1/16-12	1 1/16-12	.80
12MB-12MJ-16MJ	7259-09025	1 1/16-12	1 1/16-12	1 5/16-12	1.09
14MB-14MJ-14MJ	7259-09035	1 3/16-12	1 3/16-12	1 3/16-12	1.13
16MB-16MJ-16MJ	7259-33745	1 5/16-12	1 5/16-12	1 5/16-12	1.13
20MB-20MJ-20MJ	7259-07535	1 5/8-12	1 5/8-12	1 5/8-12	1.85
24MB-24MJ-24MJ	7259-09045	1 7/8-12	1 7/8-12	1 7/8-12	2.51

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

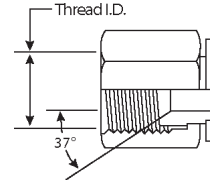
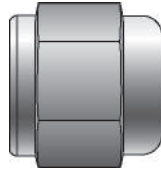
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Female JIC 37° Flare Cap

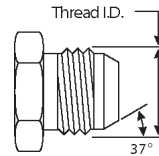
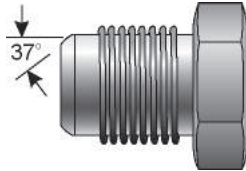
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
2FJ-CAP	7259-09865	5/16-24	.01
3FJ-CAP	7259-07435	3/8-24	.02
4FJ-CAP	7259-24305	7/16-20	.03
5FJ-CAP	7259-24315	1/2-20	.05
6FJ-CAP	7259-24325	9/16-18	.04
8FJ-CAP	7259-24335	3/4-16	.08
10FJ-CAP	7259-24345	7/8-14	.10
12FJ-CAP	7259-24355	1 1/16-12	.20
14FJ-CAP	7259-00445	1 3/16-12	.24
16FJ-CAP	7259-24365	1 5/16-12	.30
20FJ-CAP	7253-24375	1 5/8-12	.10
24FJ-CAP	7259-24385	1 7/8-12	.82
32FJ-CAP	7259-24405	2 1/2-12	1.30

## Male JIC 37° Flare Plug

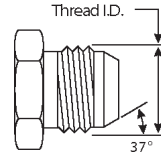
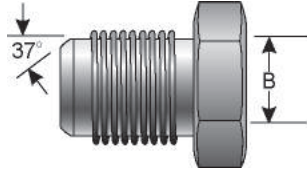
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight (Lbs.)
		"	
3MJ-PLUG	7259-09775	3/8-24	.02
4MJ-PLUG	7259-22885	7/16-20	.04
5MJ-PLUG	7259-22895	1/2-20	.05
6MJ-PLUG	7259-22905	9/16-18	.05
8MJ-PLUG	7259-22915	3/4-16	.09
10MJ-PLUG	7259-22925	7/8-14	.13
12MJ-PLUG	7259-22935	1 1/16-12	.22
14MJ-PLUG	7259-22945	1 5/16-12	.29
16MJ-PLUG	7259-22955	1 5/8-12	.34
20MJ-PLUG	7259-22965	1 7/8-12	.56
32MJ-PLUG	7259-33765	2 1/2-12	1.76

## Male JIC 37° Flare to Female Braze - On

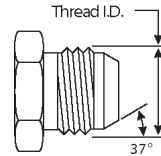
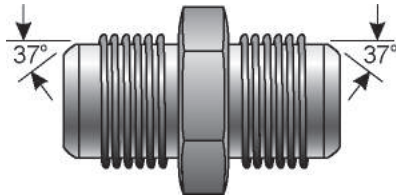
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	B	
20MJ-20FBO	7253-28735	1 5/8-12	1 1/4	.40

## Male JIC 37° Flare to Male JIC 37° Flare

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MJ-2MJ	7259-77775	5/16-24	5/16-24	.01
3MJ-2MJ	7259-09065	3/8-24	5/16-24	.26
3MJ-3MJ	7259-77785	3/8-24	3/8-24	.17
4MJ-3MJ	7259-09075	7/16-20	3/8-24	.03
4MJ-4MJ	7259-10125	7/16-20	7/16-20	.04
5MJ-4MJ	7259-77795	1/2-20	7/16-20	.04
5MJ-5MJ	7259-10735	1/2-20	1/2-20	.06
6MJ-4MJ	7259-00285	9/16-18	7/16-20	.06
6MJ-5MJ	7259-77805	9/16-18	1/2-20	.05
6MJ-6MJ	7259-06265	9/16-18	9/16-18	.07
8MJ-4MJ	7259-06505	3/4-16	7/16-20	.10
8MJ-5MJ	7259-09085	3/4-16	1/2-20	.10
8MJ-6MJ	7259-00075	3/4-16	9/16-18	.14
8MJ-8MJ	7259-06275	3/4-16	3/4-16	.12
10MJ-4MJ	7259-07195	7/8-14	7/16-20	.14
10MJ-6MJ	7259-07805	7/8-14	9/16-18	.14
10MJ-8MJ	7259-00375	7/8-14	3/4-16	.18
10MJ-10MJ	7259-10225	7/8-14	7/8-14	.21
12MJ-4MJ	7259-09095	1 1/16-12	7/16-20	.23
12MJ-6MJ	7259-08455	1 1/16-12	9/16-18	.23
12MJ-8MJ	7259-77815	1 1/16-12	3/4-16	.26
12MJ-10MJ	7259-00565	1 1/16-12	7/8-14	.28
12MJ-12MJ	7259-10235	1 1/16-12	1 1/16-12	.32
14MJ-12MJ	7259-09105	1 3/16-12	1 1/16-12	.35
14MJ-14MJ	7259-77825	1 3/16-12	1 3/16-12	.40
16MJ-8MJ	7259-07205	1 5/16-12	3/4-16	.34
16MJ-10MJ	7259-07505	1 5/16-12	7/8-14	.38
16MJ-12MJ	7259-77835	1 5/16-12	1 1/16-12	.42
16MJ-16MJ	7259-10655	1 5/16-12	1 5/16-12	.45
20MJ-12MJ	7259-09115	1 5/8-12	1 1/16-12	.60

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

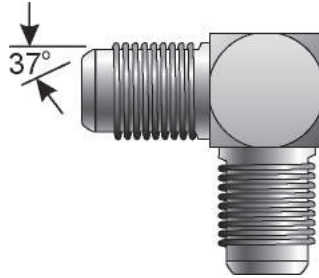
EQUIPMENT AND  
PARTS


## Male JIC 37° Flare to Male JIC 37° Flare - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
20MJ-16MJ	7259-06555	1 5/8-12	1 5/16-12	.63
20MJ-20MJ	7259-11145	1 5/8-12	1 5/8-12	1.59
24MJ-12MJ	7259-09125	1 7/8-12	1 1/16-12	.88
24MJ-20MJ	7259-09135	1 7/8-12	1 5/8-12	.94
24MJ-24MJ	7259-33845	1 7/8-12	1 7/8-12	1.00
32MJ-32MJ	7259-33855	2 1/2-12	2 1/2-12	2.19

## Male JIC 37° Flare to Male JIC 37° Flare - 90°

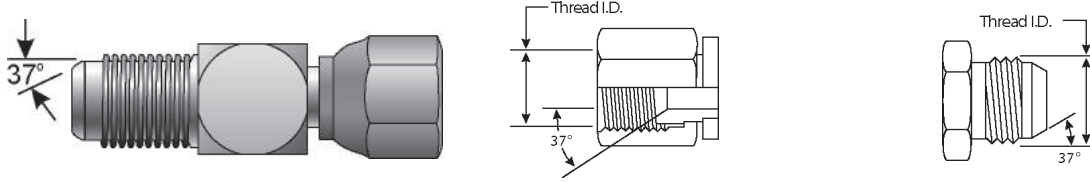
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MJ-2MJ90	7259-09145	5/16-24	5/16-24	.03
4MJ-4MJ90	7259-77845	7/16-20	7/16-20	.08
5MJ-5MJ90	7259-05865	1/2-20	1/2-20	.08
6MJ-4MJ90	7259-07925	9/16-18	7/16-20	.09
6MJ-6MJ90	7259-77855	9/16-18	9/16-18	.10
8MJ-6MJ90	7259-06745	3/4-16	9/16-18	.20
8MJ-8MJ90	7259-77865	3/4-16	3/4-16	.21
10MJ-10MJ90	7259-77875	7/8-14	7/8-14	.32
12MJ-12MJ90	7259-77885	1 1/16-12	1 1/16-12	.49
14MJ-14MJ90	7259-08275	1 3/16-12	1 3/16-12	.79
16MJ-12MJ90	7259-09155	1 5/16-12	1 1/16-12	.79
16MJ-16MJ90	7259-77895	1 5/16-12	1 5/16-12	.77
20MJ-20MJ90	7259-07095	1 5/8-12	1 5/8-12	1.28
24MJ-24MJ90	7259-07105	1 7/8-12	1 7/8-12	2.08
32MJ-32MJ90	7259-08465	2 1/2-12	2 1/2-12	4.41

## Male JIC 37° Flare to Female JIC 37° Flare

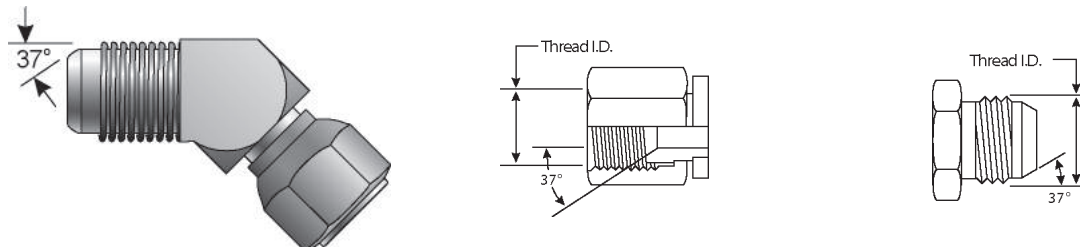
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MJ-6FJ	7259-33865	7/16-20	9/16-18	.06
5MJ-4FJ	7259-07445	1/2-20	7/16-20	.04
5MJ-6FJ	7259-09175	1/2-20	9/16-18	.06
6MJ-4FJ	7259-00015	9/16-18	7/16-20	.06
6MJ-6FJ	7259-09195	9/16-18	9/16-18	.05
6MJ-8FJ	7259-33875	9/16-18	3/4-16	.12
6MJ-10FJ	7259-33885	9/16-18	7/8-14	.13
8MJ-4FJ	7259-00935	3/4-16	7/16-20	.12
8MJ-8FJ	7259-06135	3/4-16	3/4-16	.20
8MJ-10FJ	7253-33895	3/4-16	7/8-14	.14
8MJ-12FJ	7259-33905	3/4-16	3/4-16	.32
10MJ-4FJ	7259-05915	7/8-14	7/16-20	.13
10MJ-6FJ	7259-05375	7/8-14	9/16-18	.13
10MJ-8FJ	7259-00705	7/8-14	3/4-16	.15
10MJ-12FJ	7259-33915	7/8-14	1 1/16-12	.30
10MJ-16FJ	7259-33925	7/8-14	1 5/16-12	.38
12MJ-4FJ	7259-05235	1 1/16-12	7/16-20	.13
12MJ-6FJ	7259-00145	1 1/16-12	9/16-18	.20
12MJ-8FJ	7259-00115	1 1/16-12	3/4-16	.23
12MJ-12FJ	7259-09205	1 1/16-12	1 1/16-12	.30
12MJ-16FJ	7253-33935	1 1/16-12	1 5/16-12	.35
12MJ-20FJ	7253-33945	1 1/16-12	1 5/8-12	.76
16MJ-16FJ	7259-09215	1 5/16-12	1 5/16-12	.39
16MJ-20FJ	7259-33955	1 5/16-12	1 5/8-12	.75
20MJ-16FJ	7259-05085	1 5/8-12	1 5/16-12	.72

## Male JIC 37° Flare to Female JIC 37° Flare Swivel - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MJ-4FJX45	7259-23215	7/16-20	7/16-20	.06
5MJ-5FJX45	7259-33965	1/2-20	1/2-20	.08
6MJ-6FJX45	7259-23225	9/16-18	9/16-18	.10
8MJ-8FJX45	7259-23235	3/4-16	3/4-16	.19

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

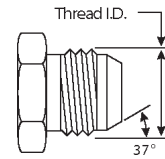
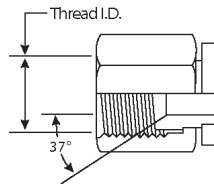
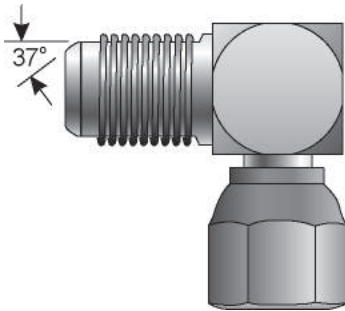
EQUIPMENT AND  
PARTS


## Male JIC 37° Flare to Female JIC 37° Flare Swivel - 45° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
10MJ-10FJX45	7259-23245	7/8-14	7/8-14	.26
12MJ-12FJX45	7259-23255	1 1/16-12	1 1/16-12	.67
14MJ-14FJX45	7259-06995	1 3/16-12	1 3/16-12	.69
16MJ-16FJX45	7259-23265	1 5/16-12	1 5/16-12	.66
20MJ-20FJX45	7259-23275	1 5/8-12	1 5/8-12	1.61
24MJ-24FJX45	7259-05455	1 7/8-12	1 7/8-12	1.87
32MJ-32FJX45	7259-07935	2 1/2-12	2 1/2-12	6.62

## Male JIC 37° Flare to Female JIC 37° Flare Swivel - 90°

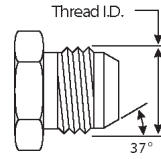
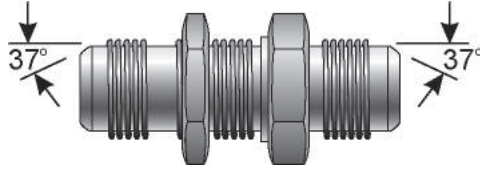
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MJ-4FJX90	7259-23285	7/16-20	7/16-20	.07
5MJ-5FJX90	7259-24025	1/2-20	1/2-20	.09
6MJ-4FJX90	7259-06905	9/16-18	7/16-20	.11
6MJ-6FJX90	7259-23295	9/16-18	9/16-18	.13
8MJ-6FJX90	7259-06205	3/4-16	9/16-18	.20
8MJ-8FJX90	7259-23305	3/4-16	3/4-16	.25
8MJ-10FJX90	7259-06385	3/4-16	3/4-16	.35
10MJ-10FJX90	7259-23315	7/8-14	7/8-14	.35
12MJ-12FJX90	7259-23325	1 1/16-12	1 1/16-12	.51
14MJ-14FJX90	7259-06215	1 3/16-12	1 3/16-12	.79
16MJ-16FJX90	7259-23335	1 5/16-12	1 5/16-12	.85
20MJ-20FJX90	7259-24075	1 5/8-12	1 5/8-12	1.50
24MJ-24FJX90	7259-24085	1 7/8-12	1 7/8-12	1.87
32MJ-32FJX90	7259-24095	2 1/2-12	2 1/2-12	4.72

## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead

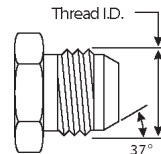
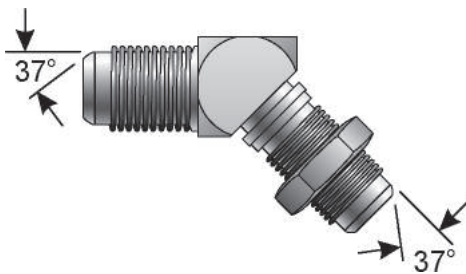
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
3MJ-3BKHD	7259-09295	3/8-24	.05
4MJ-4BKHD	7259-24505	7/16-20	.09
5MJ-5BKHD	7259-24515	1/2-20	.16
6MJ-6BKHD	7259-24525	9/16-18	.11
8MJ-8BKHD	7259-24535	3/4-16	.21
10MJ-10BKHD	7259-24545	7/8-14	.31
12MJ-12BKHD	7259-24555	1 1/16-12	.51
14MJ-14BKHD	7259-08495	1 3/16-12	.79
16MJ-16BKHD	7259-24565	1 5/16-12	.67
20MJ-20BKHD	7259-34155	1 5/8-12	1.32
24MJ-24BKHD	7259-34165	1 7/8-12	1.35

## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight (Lbs.)
		"	
4MJ-4BKHD45	7259-34175	7/16-20	.08
5MJ-5BKHD45	7259-34185	1/2-20	.10
6MJ-6BKHD45	7259-34195	9/16-18	.10
8MJ-8BKHD45	7259-34205	3/4-16	.23
10MJ-10BKHD45	7259-34215	7/8-14	.34
12MJ-12BKHD45	7259-34225	1 1/16-12	.56
16MJ-16BKHD45	7259-34235	1 5/16-12	.83

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

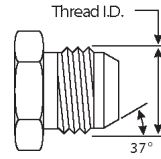
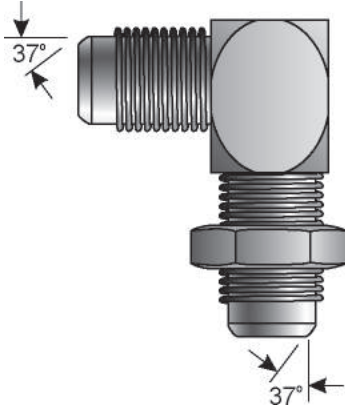
LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Male JIC 37° Flare to Male JIC 37° Flare Bulkhead - 90°**

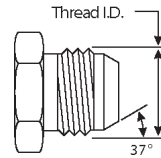
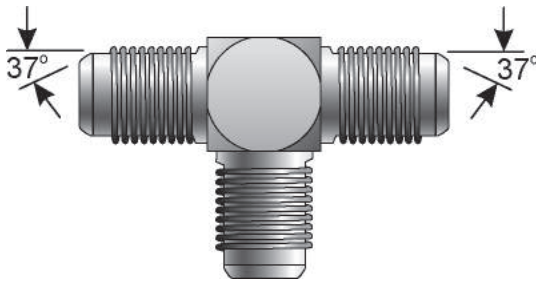
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
4MJ-4BKHD90	7259-34255	7/16-20	.09
5MJ-5BKHD90	7259-34265	1/2-20	.13
6MJ-6BKHD90	7259-34275	9/16-18	.14
8MJ-8BKHD90	7259-34285	3/4-16	.30
10MJ-10BKHD90	7259-34295	7/8-14	.42
12MJ-12BKHD90	7259-34305	1 1/16-12	.75
14MJ-14BKHD90	7259-09315	1 3/16-12	1.05
16MJ-16BKHD90	7259-34315	1 5/16-12	1.01
20MJ-20BKHD90	7259-34325	1 5/8-12	1.75
24MJ-24BKHD90	7259-09325	1 7/8-12	2.65


**Male JIC 37° Flare Tee**

For use up to SAE 100R2 maximum working pressure.



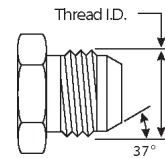
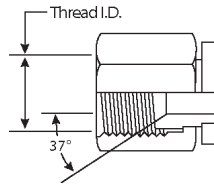
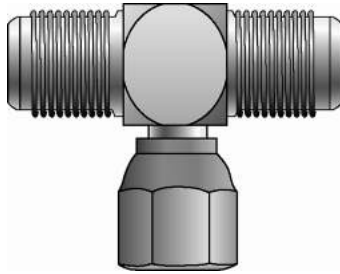
Descr.	Prod. No.		Weight (Lbs.)
		"	
2MJ-2MJ-2MJ	7259-77905	5/16-24	.04
3MJ-3MJ-3MJ	7259-08095	3/8-24	.07
4MJ-4MJ-4MJ	7259-23345	7/16-20	.12
5MJ-5MJ-5MJ	7259-34335	1/2-20	.10
6MJ-6MJ-6MJ	7259-23355	9/16-18	.13
6MJ-6MJ-8MJ	7253-34345	9/16-18	.32
8MJ-8MJ-8MJ	7259-23365	3/4-16	.25
10MJ-10MJ-10MJ	7259-23375	7/8-14	.42
12MJ-12MJ-12MJ	7259-23385	1 1/16-12	.66
14MJ-14MJ-14MJ	7259-09335	1 3/16-12	1.01


## Male JIC 37° Flare Tee - Continued

Descr.	Prod. No.		Weight (Lbs.)
		"	
16MJ-16MJ-12MJ	7259-34365	1 5/16-12	.95
16MJ-16MJ-16MJ	7259-23395	1 5/16-12	.95
20MJ-20MJ-20MJ	7259-23405	1 5/8-12	1.98
24MJ-24MJ-24MJ	7259-07555	1 7/8-12	2.65
32MJ-32MJ-32MJ	7259-07455	2 1/2-12	6.62

## Male JIC 37° Flare on Run to Female JIC 37° Flare Swivel - Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MJ-4MJ-4FJX	7259-24805	7/16-20	7/16-20	.10
5MJ-5MJ-5FJX	7259-06535	1/2-20	1/2-20	.17
6MJ-6MJ-6FJX	7259-24815	9/16-18	9/16-18	.17
8MJ-8MJ-8FJX	7259-24825	3/4-16	3/4-16	.30
10MJ-10MJ-10FJX	7259-34405	7/8-14	7/8-14	.44
12MJ-12MJ-12FJX	7259-24835	1 1/16-12	1 1/16-12	.72
14MJ-14MJ-14FJX	7259-07945	1 3/16-12	1 3/16-12	.99
16MJ-16MJ-16FJX	7259-24845	1 5/16-12	1 5/16-12	.93
20MJ-20MJ-20FJX	7259-34415	1 5/8-12	1 5/8-12	1.98
24MJ-24MJ-24FJX	7259-08505	1 7/8-12	1 7/8-12	2.50
32MJ-32MJ-32FJX	7259-09345	2 1/2-12	2 1/2-12	5.67

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

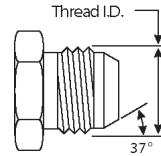
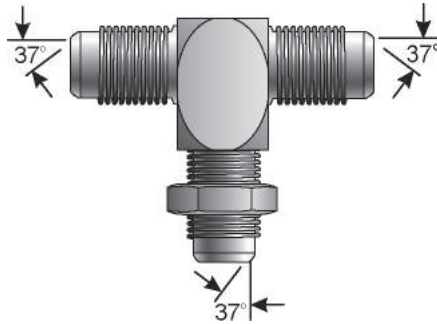
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Male JIC 37° Flare on Run to Male JIC 37° Flare Bulkhead - Tee

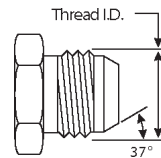
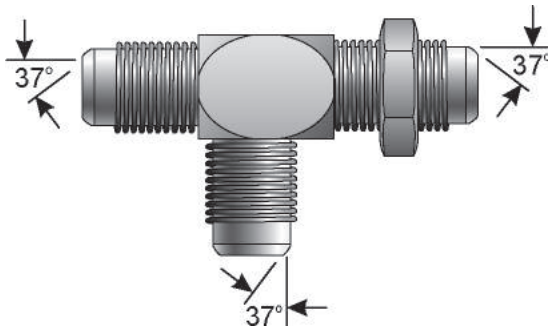
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
4MJ-4MJ-4BKHD	7259-34425	7/16-20	.10
5MJ-5MJ-5BKHD	7259-34435	1/2-20	.14
6MJ-6MJ-6BKHD	7259-34445	9/16-18	.16
8MJ-8MJ-8BKHD	7259-34455	3/4-16	.36
10MJ-10MJ-10BKHD	7259-34465	7/8-14	.53
12MJ-12MJ-12BKHD	7259-34475	1 1/16-12	.90
16MJ-16MJ-16BKHD	7259-34485	1 5/16-12	1.40

## Male JIC 37° Flare to Male JIC 37° Flare Bulkhead to Male JIC 37° Flare - Tee

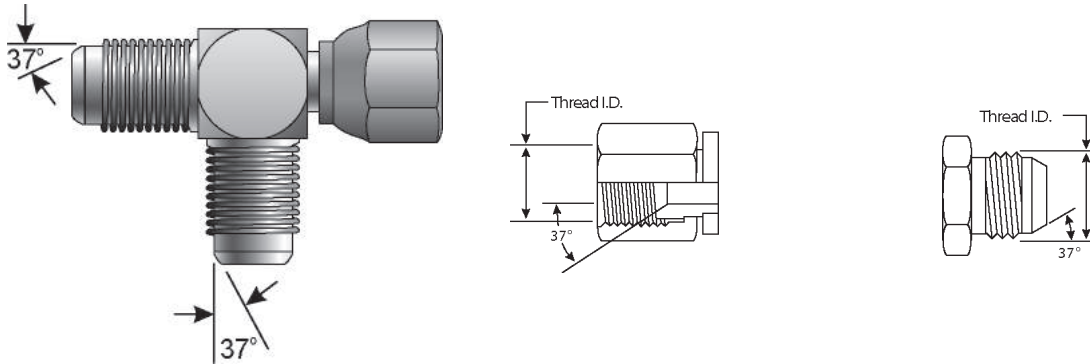
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
4MJ-4BKHD-4MJ	7259-34495	7/16-20	.10
6MJ-6BKHD-6MJ	7259-34515	9/16-18	.17
8MJ-8BKHD-8MJ	7259-34525	3/4-16	.35
10MJ-10BKHD-10MJ	7259-34535	7/8-14	.55
12MJ-12BKHD-12MJ	7259-34545	1 1/16-12	.86
16MJ-16BKHD-16MJ	7259-34555	1 5/16-12	1.25

## Male JIC 37° Flare to Female JIC 37° Flare Swivel to Male JIC 37° Flare - Tee

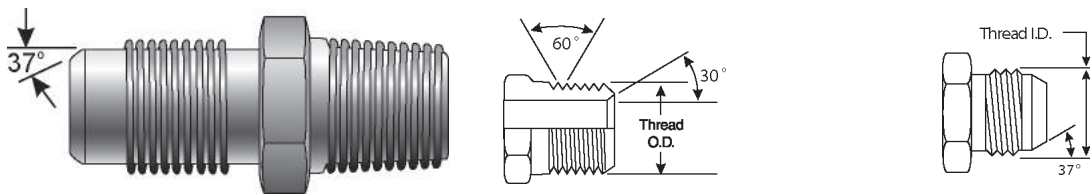
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MJ-4FJX-4MJ	7259-24705	7/16-20	7/16-20	.09
5MJ-5FJX-5MJ	7259-77915	1/2-20	1/2-20	.12
6MJ-6FJX-6MJ	7259-24725	9/16-18	9/16-18	.15
8MJ-8FJX-8MJ	7259-24735	3/4-16	3/4-16	.29
10MJ-10FJX-10MJ	7259-24745	7/8-14	7/8-14	.40
12MJ-12FJX-12MJ	7259-24755	1 1/16-12	1 1/16-12	.72
14MJ-14FJX-14MJ	7259-08325	1 3/16-12	1 3/16-12	1.01
16MJ-16FJX-16MJ	7259-24765	1 5/16-12	1 5/16-12	.94
20MJ-20FJX-20MJ	7259-77925	1 5/8-12	1 5/8-12	1.98
24MJ-24FJX-24MJ	7259-07955	1 7/8-12	1 7/8-12	2.50
32MJ-32FJX-32MJ	7259-09355	2 1/2-12	2 1/2-12	7.94

## Male JIC 37° Flare to Male Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MJ-2MP	7259-77935	5/16-24	1/8-27	.02
3MJ-2MP	7259-77945	3/8-24	1/8-27	.03
4MJ-2MP	7259-10085	7/16-20	1/8-27	.04
4MJ-4MP	7259-04195	7/16-20	1/4-18	.07
4MJ-6MP	7259-10385	7/16-20	3/8-18	.09
4MJ-8MP	7259-70455	7/16-20	1/2-14	.12
4MJ-12MP	7259-07215	7/16-20	3/4-14	.21
5MJ-2MP	7259-10995	1/2-20	1/8-27	.05
5MJ-4MP	7259-10415	1/2-20	1/4-18	.09
5MJ-6MP	7259-25665	1/2-20	3/8-18	.09
5MJ-8MP	7259-07835	1/2-20	1/2-14	.15
6MJ-2MP	7259-10565	9/16-18	1/8-27	.06

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

ACCESSORIES

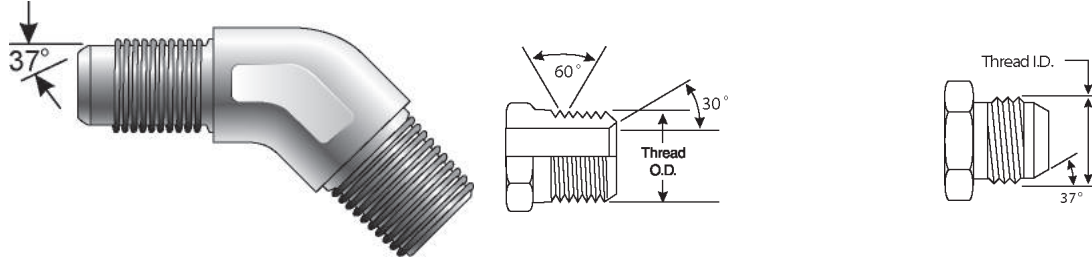
EQUIPMENT AND  
PARTS


## Male JIC 37° Flare to Male Pipe NPTF - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6MJ-4MP	7259-25635	9/16-18	1/4-18	.18
6MJ-6MP	7259-04225	9/16-18	3/8-18	.08
6MJ-8MP	7259-10205	9/16-18	1/2-14	.14
6MJ-12MP	7259-00425	9/16-18	3/4-14	.20
8MJ-2MP	7259-09875	3/4-16	1/8-27	.10
8MJ-4MP	7259-10435	3/4-16	1/4-18	.10
8MJ-6MP	7259-10105	3/4-16	3/8-18	.16
8MJ-8MP	7259-04235	3/4-16	1/2-14	.17
8MJ-12MP	7259-10545	3/4-16	3/4-14	.26
8MJ-16MP	7259-05835	3/4-16	1-11 1/2	.53
10MJ-4MP	7259-07965	7/8-14	1/4-18	.38
10MJ-6MP	7259-10785	7/8-14	3/8-18	.18
10MJ-8MP	7259-25715	7/8-14	1/2-14	.18
10MJ-12MP	7259-10595	7/8-14	3/4-14	.26
12MJ-6MP	7259-07225	1 1/16-12	3/8-18	.21
12MJ-8MP	7259-10255	1 1/16-12	1/2-14	.30
12MJ-12MP	7259-25735	1 1/16-12	3/4-14	.28
12MJ-16MP	7259-10355	1 1/16-12	1-11 1/2	.62
12MJ-20MP	7259-05765	1 1/16-12	1 1/4-11 1/2	.56
12MJ-24MP	7259-07665	1 1/16-12	1 1/2-11 1/2	.77
14MJ-12MP	7259-77965	1 3/16-12	3/4-14	.32
14MJ-16MP	7259-07975	1 3/16-12	1-11 1/2	.51
16MJ-8MP	7259-06095	1 5/16-12	1/2-14	.36
16MJ-12MP	7259-10485	1 5/16-12	3/4-14	.42
16MJ-16MP	7259-04275	1 5/16-12	1-11 1/2	.46
16MJ-20MP	7259-34565	1 5/16-12	1 1/4-11 1/2	.77
16MJ-24MP	7259-06065	1 5/16-12	1 1/2-11 1/2	.80
20MJ-12MP	7259-07675	1 5/8-12	3/4-14	.60
20MJ-16MP	7259-11465	1 5/8-12	1-11 1/2	.79
20MJ-20MP	7259-10465	1 5/8-12	1 1/4-11 1/2	.79
20MJ-24MP	7259-34575	1 5/8-12	1 1/2-11 1/2	.99
24MJ-16MP	7259-07125	1 7/8-12	1-11 1/2	1.40
24MJ-20MP	7259-34585	1 7/8-12	1 1/4-11 1/2	.99
24MJ-24MP	7259-11245	1 7/8-12	1 1/2-11 1/2	.89
24MJ-32MP	7259-09375	1 7/8-12	2-11 1/2	1.80
32MJ-16MP	7259-09385	2 1/2-12	1-11 1/2	1.66
32MJ-20MP	7259-09395	2 1/2-12	1 1/4-11 1/2	1.78
32MJ-24MP	7259-34595	2 1/2-12	1 1/2-11 1/2	1.80
32MJ-32MP	7259-11365	2 1/2-12	2-11 1/2	1.98

## Male JIC 37° Flare to Male Pipe NPTF - 45°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MJ-2MP45	7259-09415	5/16-24	1/8-27	.03
3MJ-2MP45	7259-77975	3/8-24	1/8-27	.05
4MJ-2MP45	7259-10505	7/16-20	1/8-27	.04
4MJ-4MP45	7259-10825	7/16-20	1/4-18	.07
4MJ-6MP45	7259-34605	7/16-20	3/8-18	.11
4MJ-8MP45	7259-09425	7/16-20	1/2-14	.15
5MJ-2MP45	7259-11635	1/2-20	1/8-27	.07
5MJ-4MP45	7259-11265	1/2-20	1/4-18	.07
5MJ-6MP45	7259-07685	1/2-20	3/8-18	.12
6MJ-2MP45	7259-77985	9/16-18	1/8-27	.07
6MJ-4MP45	7259-10925	9/16-18	1/4-18	.07
6MJ-6MP45	7259-10715	9/16-18	3/8-18	.11
6MJ-8MP45	7259-11135	9/16-18	1/2-14	.08
6MJ-12MP45	7259-07315	9/16-18	3/4-14	.28
8MJ-4MP45	7259-77995	3/4-16	1/4-18	.13
8MJ-6MP45	7259-10695	3/4-16	3/8-18	.15
8MJ-8MP45	7259-10495	3/4-16	1/2-14	.22
8MJ-12MP45	7259-11395	3/4-16	3/4-14	.26
10MJ-6MP45	7259-11505	7/8-14	3/8-18	.20
10MJ-8MP45	7259-10395	7/8-14	1/2-14	.21
10MJ-12MP45	7259-34615	7/8-14	3/4-14	.31
12MJ-8MP45	7259-11375	1 1/16-12	1/2-14	.33
12MJ-12MP45	7259-10845	1 1/16-12	3/4-14	.36
12MJ-16MP45	7259-05775	1 1/16-12	1-11 1/2	.66
14MJ-12MP45	7259-09885	1 3/16-12	3/4-14	.70
16MJ-8MP45	7259-09435	1 5/16-12	1/2-14	.51
16MJ-12MP45	7259-11585	1 5/16-12	3/4-14	.52
16MJ-16MP45	7259-11035	1 5/16-12	1-11 1/2	.56
16MJ-20MP45	7259-07845	1 5/16-12	1 1/4-11 1/2	.88
20MJ-16MP45	7259-07985	1 5/8-12	1-11 1/2	.99
20MJ-20MP45	7259-11485	1 5/8-12	1 1/4-11 1/2	.87
20MJ-24MP45	7259-08105	1 5/8-12	1 1/2-11 1/2	1.05
24MJ-24MP45	7259-11695	1 7/8-12	1 1/2-11 1/2	.90
32MJ-32MP45	7259-11675	2 1/2-12	2-11 1/2	2.79

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

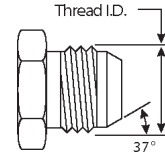
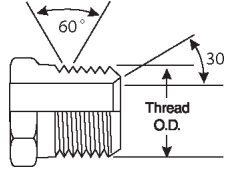
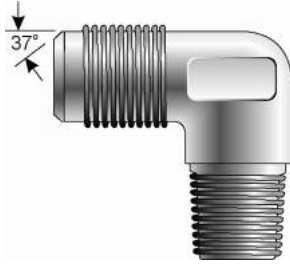
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Male JIC 37° Flare to Male Pipe NPTF - 90°

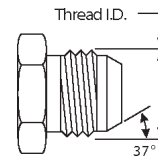
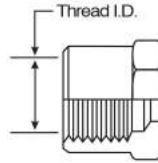
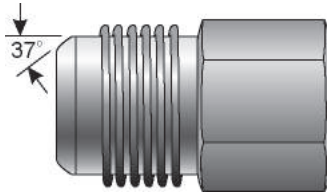
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MJ-2MP90	7259-11755	5/16-24	1/8-27	.04
3MJ-2MP90	7259-78005	3/8-24	1/8-27	.05
4MJ-2MP90	7259-10175	7/16-20	1/8-27	.06
4MJ-4MP90	7259-10195	7/16-20	1/4-18	.10
4MJ-6MP90	7259-34645	7/16-20	3/8-18	.17
4MJ-8MP90	7259-09815	7/16-20	1/2-14	.25
4MJ-12MP90	7259-07695	7/16-20	3/4-14	.46
5MJ-2MP90	7259-11425	1/2-20	1/8-27	.07
5MJ-4MP90	7259-11045	1/2-20	1/4-18	.10
5MJ-6MP90	7259-34655	1/2-20	3/8-18	.17
6MJ-2MP90	7259-11085	9/16-18	1/8-27	.09
6MJ-4MP90	7259-28385	9/16-18	1/4-18	.10
6MJ-6MP90	7259-28185	9/16-18	3/8-18	.20
6MJ-8MP90	7259-10185	9/16-18	1/2-14	.24
6MJ-12MP90	7259-05545	9/16-18	3/4-14	.44
8MJ-4MP90	7259-11025	3/4-16	1/4-18	.20
8MJ-6MP90	7259-10165	3/4-16	3/8-18	.20
8MJ-8MP90	7259-28205	3/4-16	1/2-14	.28
8MJ-12MP90	7259-10275	3/4-16	3/4-14	.44
8MJ-16MP90	7259-07575	3/4-16	1-11 1/2	.55
10MJ-6MP90	7259-11195	7/8-14	3/8-18	.29
10MJ-8MP90	7259-28375	7/8-14	1/2-14	.30
10MJ-12MP90	7259-10555	7/8-14	3/4-14	.42
10MJ-16MP90	7259-07705	7/8-14	1-11 1/2	.71
12MJ-6MP90	7259-07995	1 1/16-12	3/8-18	.46
12MJ-8MP90	7259-10795	1 1/16-12	1/2-14	.83
12MJ-12MP90	7259-28395	1 1/16-12	3/4-14	.49
12MJ-16MP90	7259-34665	1 1/16-12	1-11 1/2	.75
12MJ-20MP90	7259-06835	1 1/16-12	1 1/4-11 1/2	1.32
14MJ-8MP90	7259-09445	1 3/16-12	1/2-14	.79
14MJ-12MP90	7259-07585	1 3/16-12	3/4-14	.72
16MJ-8MP90	7259-09455	1 5/16-12	1/2-14	.84
16MJ-12MP90	7259-11205	1 5/16-12	3/4-14	.84
16MJ-16MP90	7259-28405	1 5/16-12	1-11 1/2	.74
16MJ-20MP90	7259-34675	1 5/16-12	1 1/4-11 1/2	1.22
16MJ-24MP90	7259-07715	1 5/16-12	1 1/2-11 1/2	1.71
20MJ-16MP90	7259-11565	1 5/8-12	1-11 1/2	1.43
20MJ-20MP90	7259-10905	1 5/8-12	1 1/4-11 1/2	1.30
24MJ-20MP90	7259-34695	1 7/8-12	1 1/4-11 1/2	1.83
24MJ-24MP90	7259-11445	1 7/8-12	1 1/2-11 1/2	1.69
32MJ-24MP90	7259-08335	2 1/2-12	1 1/2-11 1/2	4.18
32MJ-32MP90	7259-11685	2 1/2-12	2-11 1/2	2.98

## Male JIC 37° Flare to Female Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MJ-2FP	7259-78015	5/16-24	1/8-27	.05
3MJ-2FP	7259-08515	3/8-24	1/8-27	.04
3MJ-4FP	7259-08525	3/8-24	1/4-18	.09
4MJ-2FP	7259-11165	7/16-20	1/8-27	.04
4MJ-4FP	7259-10965	7/16-20	1/4-18	.09
4MJ-6FP	7259-06915	7/16-20	3/8-18	.20
4MJ-8FP	7259-09475	7/16-20	1/2-14	.37
5MJ-2FP	7259-11665	1/2-20	1/8-27	.04
5MJ-4FP	7259-11615	1/2-20	1/4-18	.09
6MJ-2FP	7259-09485	9/16-18	1/8-27	.07
6MJ-4FP	7259-10515	9/16-18	1/4-18	.11
6MJ-6FP	7259-10685	9/16-18	3/8-18	.13
6MJ-8FP	7259-34715	9/16-18	1/2-14	.26
8MJ-4FP	7259-09495	3/4-16	1/4-18	.14
8MJ-6FP	7259-10945	3/4-16	3/8-18	.14
8MJ-8FP	7259-10605	3/4-16	1 7/8-12	.26
8MJ-12FP	7259-34725	3/4-16	3/4-14	.56
10MJ-6FP	7259-34735	7/8-14	3/8-18	.23
10MJ-8FP	7259-10805	7/8-14	1/2-14	.28
10MJ-12FP	7259-34745	7/8-14	3/4-14	.41
12MJ-8FP	7259-34755	1 1/16-12	1/2-14	.33
12MJ-12FP	7259-10675	1 1/16-12	3/4-14	.40
12MJ-16FP	7259-06655	1 1/16-12	1-11 1/2	1.05
14MJ-12FP	7259-08345	1 3/16-12	3/4-14	.46
16MJ-12FP	7259-07005	1 5/16-12	3/4-14	.45
16MJ-16FP	7259-10985	1 5/16-12	1-11 1/2	.72
16MJ-20FP	7259-34765	1 5/16-12	1 1/4-11 1/2	.72
20MJ-16FP	7259-08535	1 5/8-12	1-11 1/2	.78
20MJ-20FP	7259-25925	1 5/8-12	1 1/4-11 1/2	.99
24MJ-24FP	7259-25935	1 7/8-12	1 1/2-11 1/2	1.44
32MJ-32FP	7259-34775	2 1/2-12	2-11 1/2	2.65

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

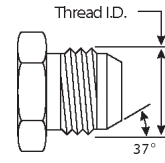
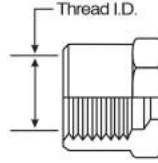
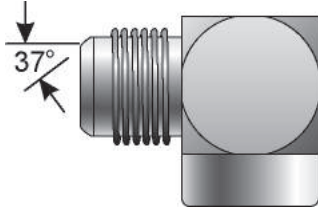
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male JIC 37° Flare to Female Pipe NPTF - 90°

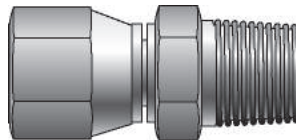
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MJ-2FP90	7259-25105	7/16-20	1/8-27	.08
4MJ-4FP90	7259-34785	7/16-20	1/4-18	.17
5MJ-2FP90	7259-07365	1/2-20	1/8-27	.08
5MJ-4FP90	7259-34805	1/2-20	1/4-18	.17
6MJ-2FP90	7259-09505	9/16-18	1/8-27	.09
6MJ-4FP90	7259-25115	9/16-18	1/4-18	.26
6MJ-6FP90	7259-34825	9/16-18	3/8-18	.25
6MJ-8FP90	7259-00405	9/16-18	1/2-14	.40
8MJ-4FP90	7259-09515	3/4-16	1/4-18	.32
8MJ-6FP90	7259-25125	3/4-16	3/8-18	.25
8MJ-8FP90	7259-34835	3/4-16	1/2-14	.39
10MJ-8FP90	7259-25135	7/8-14	1/2-14	.41
12MJ-8FP90	7259-34845	1 1/16-12	1/2-14	.86
12MJ-12FP90	7259-25145	1 1/16-12	3/4-14	.72
14MJ-12FP90	7259-09525	1 3/16-12	3/4-14	.72
16MJ-16FP90	7259-25155	1 5/16-12	1-11 1/2	1.40
20MJ-20FP90	7259-34855	1 5/8-12	1 1/4-11 1/2	1.55
24MJ-24FP90	7259-07725	1 7/8-12	1 1/2-11 1/2	4.13

## Female JIC 37° Flare Swivel to Male Pipe NPTF

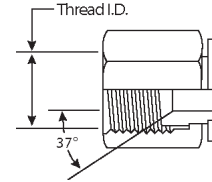
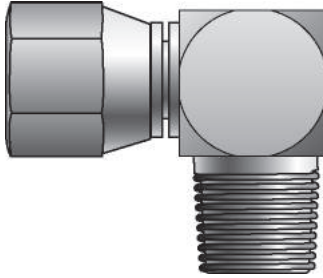
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FJX-2MP	7253-34865	7/16-20	1/8-27	.04
4FJX-4MP	7259-34875	7/16-20	1/4-18	.07
6FJX-4MP	7259-34885	9/16-18	1/4-18	.08
6FJX-6MP	7259-34895	9/16-18	3/8-18	.11
8FJX-6MP	7259-34905	3/4-16	3/8-18	.15
8FJX-8MP	7259-34915	3/4-16	1/2-14	.15
10FJX-8MP	7259-09565	7/8-14	1/2-14	.26
12FJX-8MP	7259-51055	1 1/16-12	1/2-14	.36
12FJX-12MP	7259-34925	1 1/16-12	3/4-14	.34
16FJX-16MP	7253-34935	1 5/16-12	1-11 1/2	.60
20FJX-20MP	7259-34945	1 5/8-12	1 1/4-11 1/2	.86

## Female JIC 37° Flare Swivel to Male Pipe NPTF - 90°

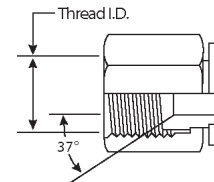
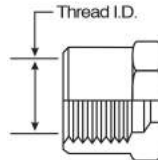
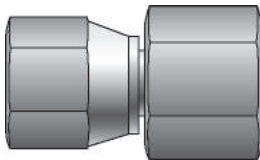
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FJX-2MP90	7253-34955	7/16-20	1/8-27	.08
4FJX-4MP90	7259-05325	7/16-20	1/4-18	.10
6FJX-4MP90	7253-34965	9/16-18	1/4-18	.14
6FJX-6MP90	7253-34975	9/16-18	3/8-18	.20
8FJX-6MP90	7253-34985	3/4-16	3/8-18	.25
8FJX-8MP90	7253-34995	3/4-16	1/2-14	.32
10FJX-8MP90	7253-35015	7/8-14	1/2-14	.34
12FJX-12MP90	7253-35025	1 1/16-12	3/4-14	.58
16FJX-16MP90	7259-35285	1 5/16-12	1-11 1/2	.88
20FJX-20MP90	7259-35295	1 5/8-12	1 1/4-11 1/2	1.50
24FJX-24MP90	7259-35035	1 7/8-12	1 1/2-11 1/2	2.10

## Female JIC 37° Flare Swivel to Female Pipe NPTF

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FJX-2FP	7253-35045	7/16-20	1/8-27	.06
4FJX-4FP	7253-35055	7/16-20	1/4-18	.10
6FJX-6FP	7253-35075	9/16-18	3/8-18	.14
8FJX-6FP	7253-35095	3/4-16	3/8-18	.15
8FJX-8FP	7253-35105	3/4-16	1/2-14	.28
10FJX-8FP	7253-35115	7/8-14	1/2-14	.30
12FJX-12FP	7253-35125	1 1/16-12	3/4-14	.46
16FJX-16FP	7259-35135	1 5/16-12	1-11 1/2	.75
20FJX-20FP	7259-35145	1 5/8-12	1 1/4-11 1/2	1.26

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

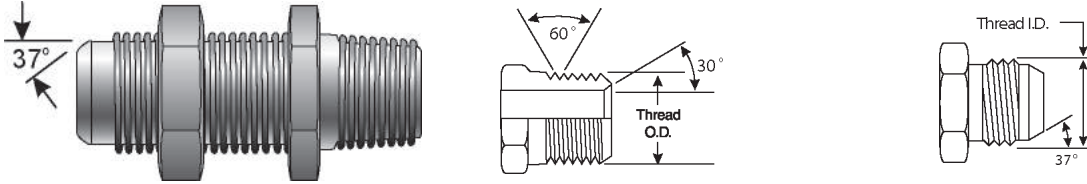
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male JIC 37° Flare Bulkhead to Male Pipe NPTF

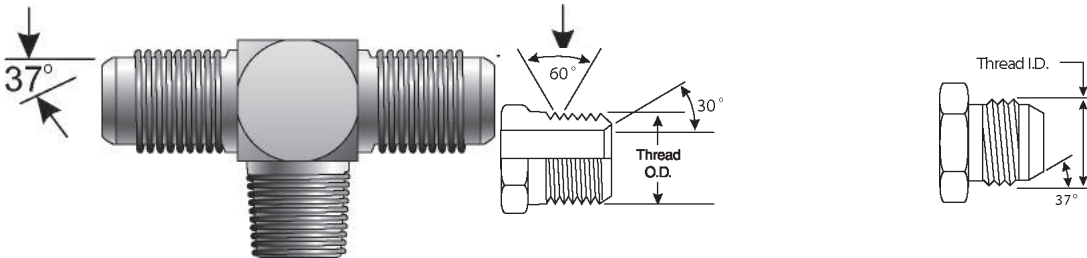
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MJBKHD-2MP	7259-09945	7/16-20	1/8-27	.09
4MJBKHD-4MP	7259-35155	7/16-20	1/4-18	.10
6MJBKHD-4MP	7259-35165	9/16-18	1/4-18	.14
8MJBKHD-6MP	7259-35175	3/4-16	3/8-18	.24
8MJBKHD-8MP	7259-09905	3/4-16	1/2-14	.29
10MJBKHD-8MP	7259-35185	7/8-14	1/2-14	.35
12MJBKHD-8MP	7259-35275	1 1/16-12	1/2-14	.42
12MJBKHD-12MP	7259-35195	1 1/16-12	3/4-14	.60
16MJBKHD-16MP	7253-35205	1 5/16-12	1-11 1/2	.80
20MJBKHD-20MP	7259-09965	1 5/8-12	1 1/4-11 1/2	.93


## Male JIC 37° Flare on Run to Male Pipe NPTF - Tee

For use up to SAE 100R2 maximum working pressure.



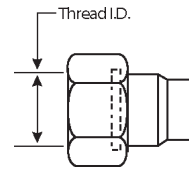
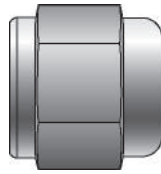
Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
3MJ-3MJ-2MP	7259-09605	3/8-24	3/8-24	1/8-27	.06
4MJ-4MJ-2MP	7259-23415	7/16-20	7/16-20	1/8-27	.07
4MJ-4MJ-4MP	7259-35215	7/16-20	7/16-20	1/4-18	.12
4MJ-4MJ-6MP	7259-05855	7/16-20	3/8-18	3/8-18	.19
5MJ-5MJ-2MP	7259-07385	1/2-20	1/2-20	1/8-27	.10
5MJ-5MJ-4MP	7259-35225	1/2-20	1/2-20	1/4-18	.13
6MJ-6MJ-4MP	7259-23425	9/16-18	9/16-18	1/4-18	.13
6MJ-6MJ-6MP	7259-35235	9/16-18	9/16-18	3/8-18	.29
6MJ-6MJ-8MP	7259-35245	9/16-18	9/16-18	1/2-14	.30
8MJ-8MJ-6MP	7259-23435	3/4-16	3/4-16	3/8-18	.32
8MJ-8MJ-8MP	7259-35255	3/4-16	3/4-16	1/2-14	.35
8MJ-8MJ-12MP	7259-09615	3/4-16	3/4-16	3/4-14	.57
10MJ-10MJ-8MP	7259-23445	7/8-14	7/8-14	1/2-14	.38
12MJ-12MJ-8MP	7259-07395	1 1/16-12	1 1/16-12	1/2-14	.63
12MJ-12MJ-12MP	7259-23455	1 1/16-12	1 1/16-12	3/4-14	.61
12MJ-12MJ-16MP	7259-07735	1 1/16-12	1 1/16-12	1-11 1/2	.97
14MJ-14MJ-12MP	7259-09625	1 3/16-12	1 3/16-12	3/4-14	.99
16MJ-16MJ-12MP	7259-09635	1 5/16-12	1 5/16-12	3/4-14	1.13


## Male JIC 37° Flare on Run to Male Pipe NPTF - Tee - Continued

Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
16MJ-16MJ-16MP	7259-23465	1 5/16-12	1 5/16-12	1-11 1/2	.92
20MJ-20MJ-20MP	7259-35265	1 5/8-12	1 5/8-12	1 5/8-12	1.76
24MJ-24MJ-24MP	7259-08355	1 7/8-12	1 7/8-12	1 1/2-11 1/2	2.65

## Female Flat-Face O-Ring Cap

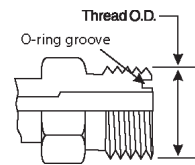
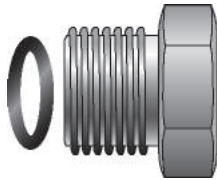
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.		Weight (Lbs.)
		"	
4FFOR-CAP	7253-32125	9/16-18	.04
6FFOR-CAP	7253-32135	11/16-16	.08
8FFOR-CAP	7253-32145	13/16-16	.12
10FFOR-CAP	7253-32155	1-14	.14
12FFOR-CAP	7253-32165	1 3/16-12	.26
16FFOR-CAP	7253-32175	1 7/16-12	.37
20FFOR-CAP	7253-32185	1 11/16-12	.54
24FFOR-CAP	7253-32195	2-12	.81

## Male Flat-Face O-Ring Plug

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		Weight (Lbs.)
		"	
4MFFOR-PLUG	7259-32045	9/16-18	.05
6MFFOR-PLUG	7259-32055	11/16-16	.08
8MFFOR-PLUG	7259-32065	13/16-16	.11
10MFFOR-PLUG	7259-32075	1-14	.22
12MFFOR-PLUG	7259-32085	1 3/16-12	.40
16MFFOR-PLUG	7259-32095	1 7/16-12	.45
20MFFOR-PLUG	7259-32105	1 11/16-12	.58
24MFFOR-PLUG	7259-32115	2-12	1.32
32MFFOR-PLUG	7259-09655	2 1/2-12	1.26

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

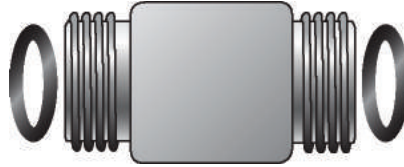
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Flat-Face O-Ring to Male Flat-Face O-Ring

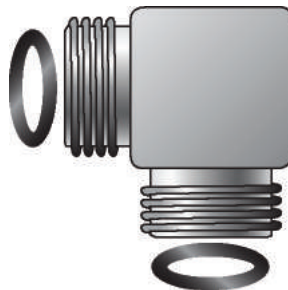
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MFFOR	7259-43965	9/16-18	9/16-18	.07
6MFFOR-4MFFOR	7259-43975	11/16-16	9/16-18	.10
6MFFOR-6MFFOR	7259-43985	11/16-16	11/16-16	.11
10MFFOR-10MFFOR	7259-44025	1-14	1-14	.28
12MFFOR-12MFFOR	7259-44045	1 3/16-12	1 3/16-12	.35
16MFFOR-16MFFOR	7259-44065	1 7/16-12	1 7/16-12	.61
20MFFOR-20MFFOR	7259-44075	1 11/16-12	1 11/16-12	.40
24MFFOR-24MFFOR	7259-44085	2-12	2-12	.40

## Male Flat-Face O-Ring to Male Flat-Face O-Ring - 90°

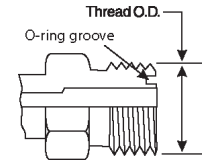
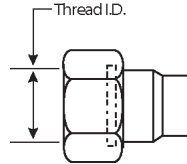
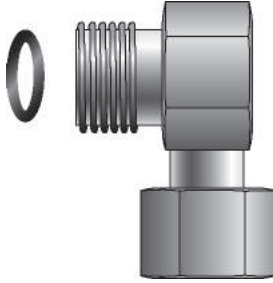
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MFFOR90	7259-44105	9/16-18		.08
8MFFOR-8MFFOR90	7259-44125	13/16-16		.22

## Male Flat-Face O-Ring to Female Flat-Face Swivel - 90°

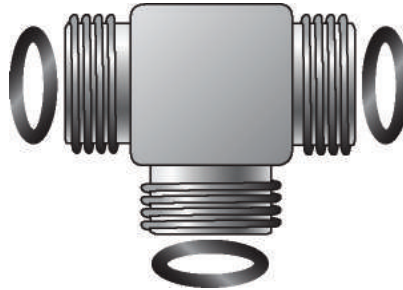
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4FFORX90	7259-06075	9/16-18	9/16-18	.13
6MFFOR-6FFORX90	7259-31905	11/16-16	11/16-16	.22
8MFFOR-8FFORX90	7259-00345	13/16-16	13/16-16	.28
10MFFOR-10FFORX90	7259-05585	1-14	1-14	.57
12MFFOR-12FFORX90	7259-06085	1 3/16-12	1 3/16-12	.79
16MFFOR-16FFORX90	7259-05285	1 7/16-12	1 7/16-12	1.21
20MFFOR-20FFORX90	7259-09665	1 11/16-12	1 11/16-12	1.98
24MFFOR-24FFORX90	7259-09675	2-12	2-12	2.25

## Male Flat-Face O-Ring Tee

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MFFOR-4MFFOR	7259-04805	9/16-18		.14
6MFFOR-6MFFOR-6MFFOR	7259-04815	11/16-16		.25
8MFFOR-8MFFOR-8MFFOR	7259-04825	13/16-16		.30
10MFFOR-10MFFOR-10MFFOR	7259-04835	1-14		.64
12MFFOR-12MFFOR-12MFFOR	7259-04845	1 3/16-12		.86
16MFFOR-16MFFOR-16MFFOR	7259-04855	1 7/16-12		1.35
20MFFOR-20MFFOR-20MFFOR	7259-04865	1 11/16-12		1.65

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

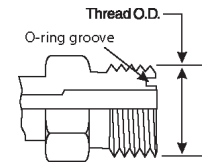
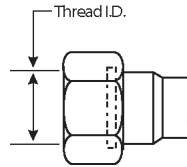
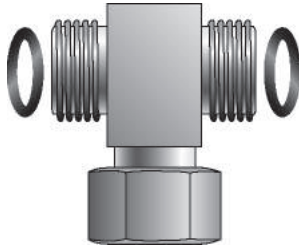
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Flat-Face O-Ring on Run to Female Flat-Face Swivel - Tee

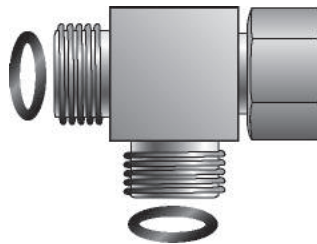
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MFFOR-4FFORX	7259-31805	9/16-18	9/16-18	.20
6MFFOR-6MFFOR-6FFORX	7259-31815	11/16-16	11/16-16	.29
8MFFOR-8MFFOR-8FFORX	7259-31825	13/16-16	13/16-16	.40
10MFFOR-10MFFOR-10FFORX	7259-09685	1-14	1-14	.68
12MFFOR-12MFFOR-12FFORX	7259-09695	1 3/16-12	1 3/16-12	1.03
16MFFOR-16MFFOR-16FFORX	7259-09705	1 1/16-12	7/16-20	1.40
20MFFOR-20MFFOR-20FFORX	7259-09715	1 11/16-12	1 11/16-12	2.00

## Male Flat-Face O-Ring to Female Flat-Face O-Ring to Male Flat-Face O-Ring - Tee

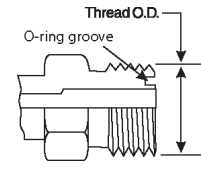
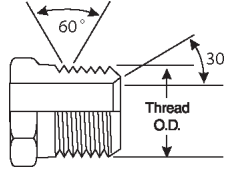
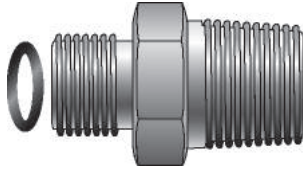
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4FFORX-4MFFOR	7259-00265	9/16-18		.17
6MFFOR-6FFORX-6MFFOR	7259-00135	11/16-16		.29
8MFFOR-8FFORX-8MFFOR	7259-00225	13/16-16		.35
10MFFOR-10FFORX-10MFFOR	7259-06815	1-14		.69
12MFFOR-12FFORX-12MFFOR	7259-00555	1 3/16-12		1.03
16MFFOR-16FFORX-16MFFOR	7259-06025	1 7/16-12		1.50
20MFFOR-20FFORX-20MFFOR	7259-04785	1 11/16-12		1.98

## Male Flat-Face O-Ring to Male Pipe NPTF

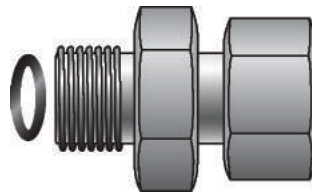
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-2MP	7259-30615	9/16-18	1/8-27	.06
4MFFOR-4MP	7259-30625	9/16-18	1/4-18	.07
4MFFOR-6MP	7259-30635	9/16-18	3/8-18	.10
6MFFOR-4MP	7259-30645	11/16-16	1/4-18	.10
6MFFOR-6MP	7259-30655	11/16-16	3/8-18	.10
6MFFOR-8MP	7259-30665	11/16-16	1/2-14	.14
8MFFOR-4MP	7259-09845	13/16-16	1/4-18	.14
8MFFOR-6MP	7259-30675	13/16-16	3/8-18	.14
8MFFOR-8MP	7259-30685	13/16-16	1/2-14	.16
8MFFOR-12MP	7259-06845	13/16-16	3/4-14	.24
10MFFOR-8MP	7259-30695	1-14	1/2-14	.24
10MFFOR-12MP	7259-06755	1-14	3/4-14	.30
12MFFOR-8MP	7259-06035	1 3/16-12	1/2-14	.40
12MFFOR-12MP	7259-30705	1 3/16-12	3/4-14	.36
12MFFOR-16MP	7259-08115	1 3/16-12	1-11 1/2	.44
16MFFOR-12MP	7259-07075	1 7/16-12	3/4-14	.47
16MFFOR-16MP	7259-30715	1 7/16-12	1-11 1/2	.57
20MFFOR-20MP	7259-30725	1 11/16-12	1 1/4-11 1/2	.99
24MFFOR-24MP	7259-07595	2-12	1 1/2-11 1/2	1.13

## Male Flat-Face O-Ring to Female JIC 37° Flare Swivel

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4FJX	7259-09995	9/16-18	7/16-20	.08
6MFFOR-6FJX	7259-05135	11/16-16	9/16-18	.14
8MFFOR-8FJX	7259-05365	13/16-16	3/4-16	.18
10MFFOR-10FJX	7259-06335	1-14	7/8-14	.28
12MFFOR-12FJX	7259-05215	1 3/16-12	1 1/16-12	.47
16MFFOR-16FJX	7259-06765	1 7/16-12	1 5/16-12	.64

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

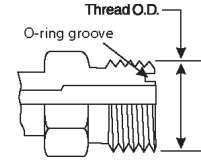
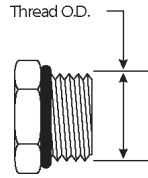
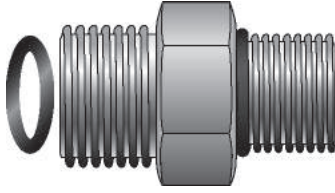
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Flat-Face O-Ring to Male O-Ring Boss

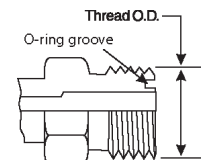
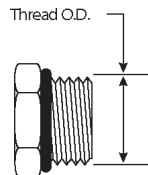
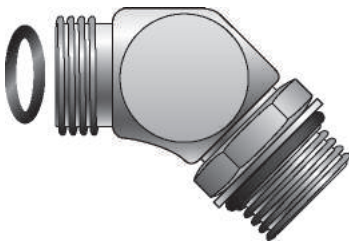
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MB	7259-30015	9/16-18	7/16-20	.07
4MFFOR-6MB	7259-29905	9/16-18	9/16-18	.08
4MFFOR-8MB	7259-30115	9/16-18	3/4-16	.12
6MFFOR-4MB	7259-30025	11/16-16	9/16-18	.11
6MFFOR-6MB	7259-00085	11/16-16	7/16-20	.10
6MFFOR-8MB	7259-29925	11/16-16	3/4-16	.15
6MFFOR-10MB	7259-30095	11/16-16	7/8-14	.20
8MFFOR-6MB	7259-30035	13/16-16	3/4-16	.14
8MFFOR-8MB	7259-29915	13/16-16	9/16-18	.15
8MFFOR-10MB	7259-30105	13/16-16	7/8-14	.22
8MFFOR-12MB	7259-30125	13/16-16	1 1/16-12	.31
8MFFOR-16MB	7259-08005	13/16-16	1 5/16-12	.45
10MFFOR-8MB	7259-00155	1-14	3/4-16	.26
10MFFOR-10MB	7259-30045	1-14	7/8-14	.26
10MFFOR-12MB	7259-00165	1-14	1 1/16-12	.36
12MFFOR-8MB	7259-30135	1 3/16-12	3/4-16	.40
12MFFOR-10MB	7259-05385	1 3/16-12	7/8-14	.44
12MFFOR-12MB	7259-30055	1 3/16-12	1 1/16-12	.40
12MFFOR-16MB	7259-30175	1 3/16-12	1 5/16-12	.52
16MFFOR-12MB	7259-30185	1 7/16-12	1 1/16-12	.79
16MFFOR-16MB	7259-50255	1 7/16-12	1 5/16-12	.56
16MFFOR-20MB	7259-00045	1 7/16-12	1 5/8-20	.73
20MFFOR-16MB	7259-30145	1 11/16-12	1 5/16-12	.87
20MFFOR-20MB	7259-30075	1 11/16-12	1 5/8-12	.88
20MFFOR-24MB	7259-09745	1 11/16-12	1 7/8-12	1.06
24MFFOR-20MB	7259-09755	2-12	1 5/8-12	1.13
32MFFOR-32MB	7259-00325	2 1/2-12	2 1/2-12	1.93


## Male Flat-Face O-Ring to Male O-Ring Boss - 45°

For use up to SAE 100R2 maximum working pressure.



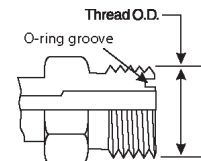
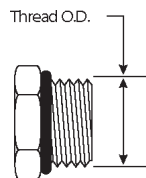
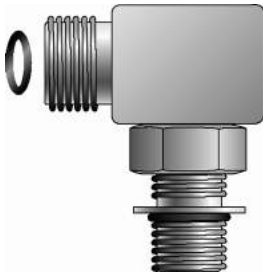
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MB45	7259-30935	9/16-18	7/16-20	.11
4MFFOR-6MB45	7259-30305	9/16-18	9/16-18	.15


## Male Flat-Face O-Ring to Male O-Ring Boss - 45° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6MFFOR-4MB45	7259-30945	11/16-16	7/16-20	.20
6MFFOR-6MB45	7259-30225	11/16-16	9/16-18	.18
6MFFOR-8MB45	7259-30955	11/16-16	3/4-16	.24
8MFFOR-6MB45	7259-30965	13/16-16	9/16-18	.20
8MFFOR-8MB45	7259-30975	13/16-16	3/4-16	.24
8MFFOR-10MB45	7259-30295	13/16-16	7/8-14	.41
8MFFOR-12MB45	7259-30985	13/16-16	1 1/16-12	.58
10MFFOR-8MB45	7259-30995	1-14	3/4-16	.40
10MFFOR-10MB45	7259-31005	1-14	7/8-14	.44
10MFFOR-12MB45	7259-31015	1-14	1 1/16-12	.65
12MFFOR-10MB45	7259-31025	1 3/16-12	7/8-14	.55
12MFFOR-12MB45	7259-31035	1 3/16-12	1 1/16-12	.70
12MFFOR-16MB45	7259-31045	1 3/16-12	1 5/16-12	.87
16MFFOR-12MB45	7259-31055	1 7/16-12	1 1/16-12	.94
16MFFOR-16MB45	7259-31065	1 7/16-12	1 5/16-12	1.00
16MFFOR-20MB45	7259-31075	1 7/16-12	1 5/8-12	1.30
20MFFOR-20MB45	7259-31085	1 11/16-12	1 5/8-12	1.85
24MFFOR-24MB45	7259-31095	2-12	1 7/8-12	1.83

## Male Flat-Face O-Ring to Male O-Ring Boss - 90°

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MB90	7259-30415	9/16-18	7/16-20	.13
4MFFOR-6MB90	7259-30735	9/16-18	9/16-18	.15
4MFFOR-8MB90	7259-30745	9/16-18	3/4-16	.27
6MFFOR-4MB90	7259-30495	11/16-16	7/16-20	.22
6MFFOR-6MB90	7259-30425	11/16-16	9/16-18	.24
6MFFOR-8MB90	7259-30755	11/16-16	3/4-16	.28
6MFFOR-12MB90	7259-30765	11/16-16	1 1/16-12	.72
8MFFOR-6MB90	7259-66215	13/16-16	9/16-18	.24
8MFFOR-8MB90	7259-30435	13/16-16	3/4-16	.30
8MFFOR-10MB90	7259-30515	13/16-16	7/8-14	.44
8MFFOR-12MB90	7259-30525	13/16-16	1 1/16-12	.82
10MFFOR-8MB90	7259-30555	1-14	3/4-16	.50
10MFFOR-10MB90	7259-30445	1-14	7/8-14	.57
10MFFOR-12MB90	7259-30775	1-14	1 1/16-12	.84
12MFFOR-8MB90	7259-30785	1 3/16-12	3/4-16	.71
12MFFOR-10MB90	7259-30795	1 3/16-12	7/8-14	.73
12MFFOR-12MB90	7259-30455	1 3/16-12	1 1/16-12	.86
12MFFOR-16MB90	7259-30805	1 3/16-12	1 5/16-12	1.40
16MFFOR-12MB90	7259-30545	1 7/16-12	1 1/16-12	1.40

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

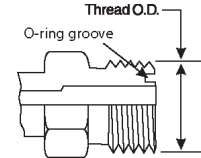
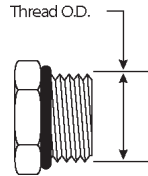
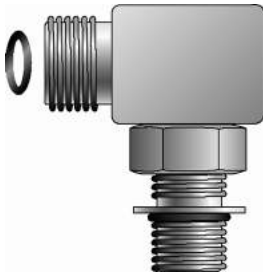
EQUIPMENT AND  
PARTS

## Male Flat-Face O-Ring to Male O-Ring Boss - 90° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
16MFFOR-16MB90	7259-30465	1 7/16-12	1 5/16-12	1.28
16MFFOR-20MB90	7259-30815	1 7/16-12	1 5/8-12	1.75
20MFFOR-16MB90	7259-30825	1 11/16-12	1 5/16-12	1.70
20MFFOR-20MB90	7259-30475	1 11/16-12	1 5/8-12	1.80
20MFFOR-24MB90	7259-30835	1 11/16-12	1 7/8-12	2.24
24MFFOR-20MB90	7259-30845	2-12	1 5/8-12	2.16
24MFFOR-24MB90	7259-30855	2-12	1 7/8-12	2.46

## Male Flat-Face O-Ring to Male O-Ring Boss - 90° Long Drop

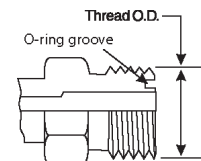
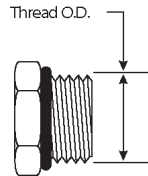
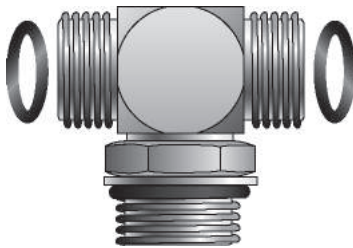
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MFFOR-4MB90L	7259-30875	9/16-18	7/16-20	.20
6MFFOR-6MB90L	7259-30885	11/16-16	9/16-18	.40
12MFFOR-12MB90L	7259-30915	1 3/16-12	1 1/16-12	1.30
16MFFOR-16MB90L	7259-30925	1 7/16-12	1 5/16-12	2.07

## Male Flat-Face O-Ring on Run to Male O-Ring Boss - Tee

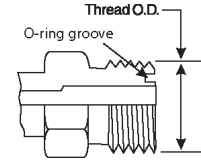
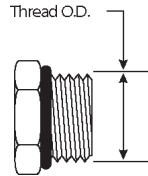
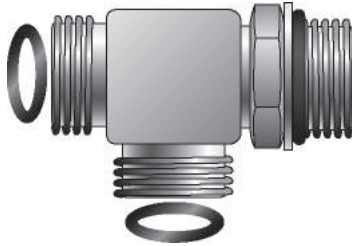
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
4MFFOR-4MFFOR-4MB	7259-31405	9/16-18	9/16-18	7/16-20	.17
6MFFOR-6MFFOR-6MB	7259-31515	11/16-16	11/16-16	9/16-18	.26
8MFFOR-8MFFOR-8MB	7259-31415	13/16-16	13/16-16	3/4-16	.35
10MFFOR-10MFFOR-10MB	7259-31425	1-14	1-14	7/8-14	.70
12MFFOR-12MFFOR-12MB	7259-31545	1 3/16-12	1 3/16-12	1 1/16-12	1.02
16MFFOR-16MFFOR-16MB	7259-31555	1 7/16-12	1 7/16-12	1 5/16-12	1.60
20MFFOR-20MFFOR-20MB	7259-31435	1 11/16-12	1 11/16-12	1 5/8-12	1.90

## Male Flat-Face O-Ring to Male O-Ring Boss to Male Flat-Face O-Ring - Tee

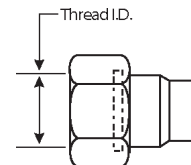
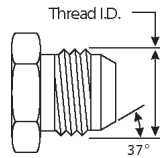
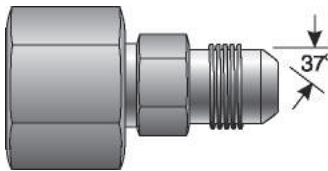
For use up to SAE 100R2 maximum working pressure.




Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
4MFFOR-4MB-4MFFOR	7259-31455	9/16-18	7/16-20	9/16-18	.15
6MFFOR-6MB-6MFFOR	7259-31605	11/16-16	9/16-18	11/16-16	.28
8MFFOR-8MB-8MFFOR	7259-31465	13/16-16	3/4-16	13/16-16	.35
10MFFOR-10MB-10MFFOR	7259-31615	1-14	7/8-14	1-14	.68
12MFFOR-12MB-12MFFOR	7259-31475	1 3/16-12	1 1/16-12	1 3/16-12	1.06
16MFFOR-16MB-16MFFOR	7259-31485	1 7/16-12	1 5/16-12	1 7/16-12	1.54
20MFFOR-20MB-20MFFOR	7259-31495	1 11/16-12	1 5/8-12	1 11/16-12	1.90

## Female Flat-Face Swivel to Male JIC 37° Flare

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FFORX-4MJ	7253-31705	9/16-18	7/16-20	.06
6FFORX-6MJ	7253-31715	11/16-16	9/16-18	.13
8FFORX-8MJ	7253-31725	13/16-16	3/4-16	.14
10FFORX-10MJ	7253-31735	1-14	7/8-14	.31
12FFORX-12MJ	7253-31745	1 3/16-12	1 1/16-12	.50
16FFORX-16MJ	7253-31755	1 7/16-12	1 1/16-13	.76

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

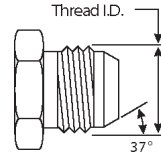
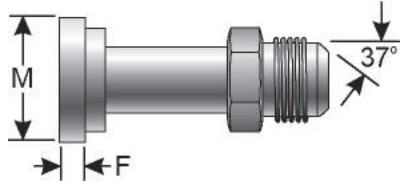
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange to Male JIC 37° Flare

O-Ring not included. Must be ordered separately.

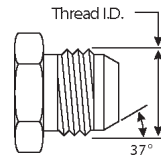
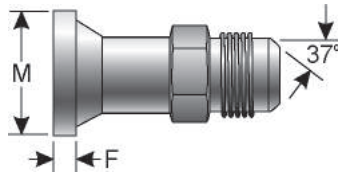



Descr.	Prod. No.		M		F		Weight (Lbs.)
		"	"	mm	"	mm	
8FL-8MJ	7253-86931	3/4-16	1.19	30.2	.27	6.9	.24
12FL-12MJ	7253-86932	1 1/16-12	1.50	38.1	.27	6.9	.39
16FL-16MJ	7253-86933	1 5/16-12	1.75	44.5	.32	8.1	.66
20FL-20MJ	7253-86934	1 5/8-12	2.00	50.8	.32	8.1	.98
24FL-24MJ	7253-86935	1 7/8-12	2.38	60.5	.32	8.1	1.38
32FL-32MJ	7253-86936	2 1/2-12	2.81	71.4	.38	9.7	2.43

## Code 61 O-Ring Flange to Male JIC 37° Flare - High Pressure

No braze joints, solid one-piece construction for increased reliability.

O-Ring not included. Must be ordered separately.

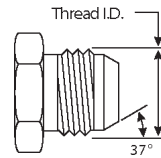
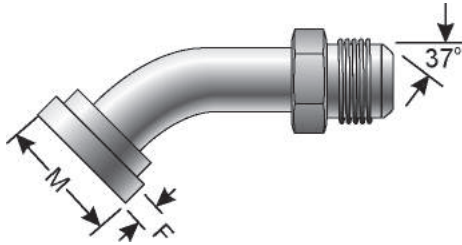


Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FL5K-12MJ	7253-13015	1 1/16-12	1 1/16-12	1.50	38.1	.27	6.9	.59
16FL5K-12MJ	7253-12405	1 1/16-12	1 1/16-12	1.75	44.5	.32	8.1	.92
16FL5K-16MJ	7253-13035	1 5/16-12	1 1/16-12	1.75	44.5	.32	8.1	.82
16FL5K-20MJ	7253-12425	1 5/8-12	1 5/16-12	1.75	44.5	.32	8.1	2.43
20FL4K-16MJ	7253-12485	1 5/16-12	1 5/8-12	2.00	50.8	.32	8.1	1.52
20FL4K-20MJ	7253-12475	1 5/8-12	1 7/8-12	2.00	50.8	.32	8.1	1.52

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

## Code 61 O-Ring Flange to Male JIC 37° Flare - 45°

O-Ring not included. Must be ordered separately.

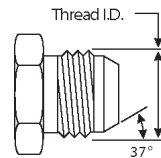
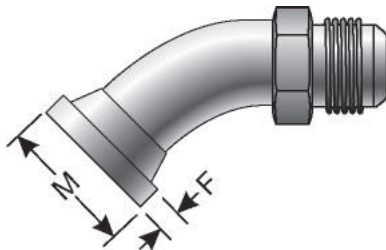


Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
8FL-8MJ45	7253-86937	3/4-16	2 1/2-12	1.19	30.2	.27	6.9	.27
12FL-12MJ45	7253-86938	1 1/16-12	1 1/16-12	1.50	38.1	.27	6.9	.40
16FL-16MJ45	7253-86939	1 5/16-12	1 5/16-12	1.75	44.5	.32	8.1	.79
20FL-20MJ45	7253-86941	1 5/8-12	1 1/16-12	2.00	50.8	.32	8.1	1.14
24FL-24MJ45	7253-86942	1 7/8-12	1 5/16-12	2.38	60.5	.32	8.1	1.72
32FL-32MJ45	7253-86943	2 1/2-12	1 5/8-12	2.81	71.4	.38	9.7	3.10

## Code 61 O-Ring Flange to Male JIC 37° Flare - 45° - High Pressure

No braze joints, solid one-piece construction for increased reliability.

O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FL5K-12MJ45	7253-13105	1 1/16-12	1 7/8-12	1.50	38.1	.27	6.9	1.58
16FL5K-16MJ45	7253-13125	1 1/16-13	2 1/2-12	1.75	44.5	.32	8.1	1.64
20FL4K-16MJ45	7253-12625	1 5/16-12	1 1/16-12	2.00	50.8	.37	9.4	.90
20FL4K-20MJ45	7253-12395	1 5/8-12	1 1/16-13	2.00	50.8	.37	9.4	1.86

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

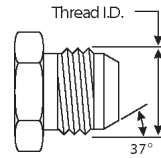
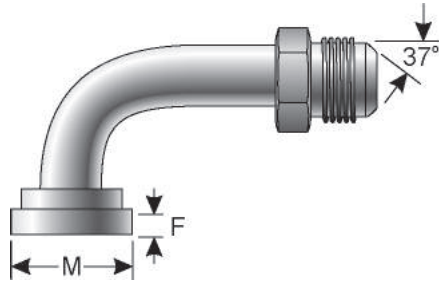
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Code 61 O-Ring Flange to Male JIC 37° Flare - 90°**

O-Ring not included. Must be ordered separately.

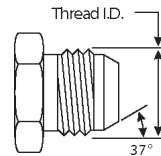
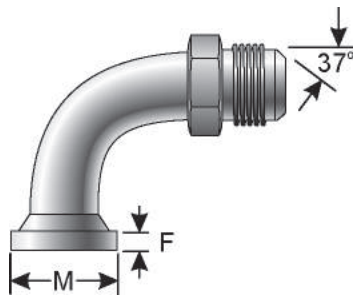


Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
8FL-8MJ90	7253-86944	1/2	3/4-16	1.19	30.2	.27	6.9	.30
12FL-12MJ90	7253-86945	3/4	1 1/16-12	1.50	38.1	.27	6.9	.51
16FL-16MJ90	7253-86946	1	1 5/16-12	1.75	44.5	.32	8.1	.92
20FL-20MJ90	7253-86947	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	1.30
24FL-24MJ90	7253-86948	1 1/2	1 7/8-12	2.38	60.5	.32	8.1	1.95
32FL-32MJ90	7253-86949	2	2 1/2-12	2.81	71.4	.38	9.7	3.64

**Code 61 O-Ring Flange to Male JIC 37° Flare - 90° - High Pressure**

No braze joints, solid one-piece construction for increased reliability.

O-Ring not included. Must be ordered separately.

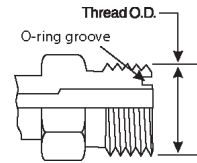
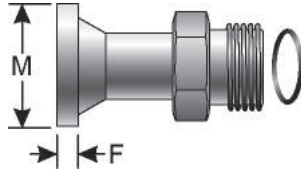


Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FL5K-12MJ90	7253-13205	1 1/16-12	1 1/16-12	1.50	38.1	.27	6.9	.70
16FL5K-12MJ90	7253-12415	1 1/16-12	1 1/16-12	1.75	44.5	.32	8.1	1.47
16FL5K-16MJ90	7253-13225	1 5/16-12	1 5/16-12	1.75	44.5	.32	8.1	1.99
20FL4K-16MJ90	7253-12495	1 1/4	1 5/16-12	2.00	50.8	.32	8.1	1.35
20FL4K-20MJ90	7253-12505	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	2.12

**NOTE:** FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

## Code 61 O-Ring Flange to Male Flat-Face O-Ring - High Pressure

For use up to SAE 100R2 maximum working pressure.  
No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.

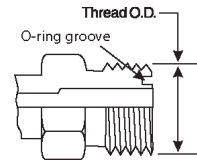
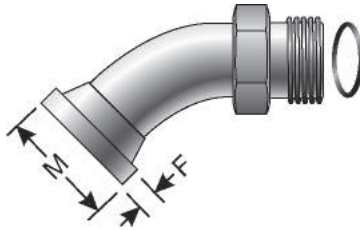


Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FL5K-12MFFOR	7253-13695	1 3/16-12	1 1/16-12	1.50	38.1	.27	6.9	.58
16FL5K-12MFFOR	7253-17155	1	1 1/16-12	1.75	44.5	.32	8.1	.64
16FL5K-16MFFOR	7253-13705	1 7/16-12	1 1/16-12	1.75	44.5	.32	8.1	.80
20FL4K-20MFFOR	7253-13715	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	1.18

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

## Code 61 O-Ring Flange to Male Flat-Face O-Ring 45° - High Pressure

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FL5K-12MFFOR45	7253-13725	1 3/16-12	1 1/16-12	1.50	38.1	.27	6.9	.20
16FL5K-16MFFOR45	7253-13735	1 7/16-12	1 1/16-12	1.75	44.5	.32	8.1	1.02
20FL4K-20MFFOR45	7253-13745	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	1.68

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

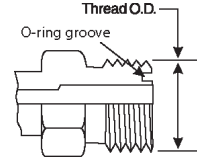
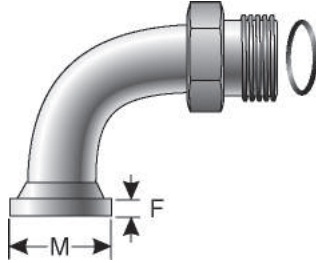
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 61 O-Ring Flange to Male Flat-Face O-Ring 90° - High Pressure

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.

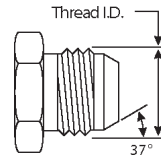
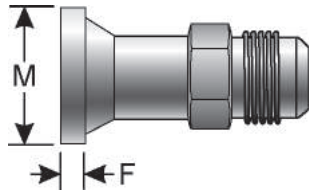


Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FL5K-12MFFOR90	7253-13755	1 3/16-12	1 1/16-12	1.50	38.1	.27	6.9	.80
16FL5K-16MFFOR90	7253-13765	1 7/16-12	1 1/16-12	1.50	38.1	.32	8.1	1.94
20FL4K-20MFFOR90	7253-13775	1 1/4	1 5/8-12	2.00	50.8	.32	8.1	2.40

NOTE: FL5K maximum working pressure is 5,000 psi; FL4K maximum working pressure is 4,000 psi.

## Code 62 O-Ring Flange Heavy to Male JIC 37° Flare - (6,000 psi)

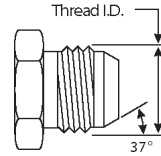
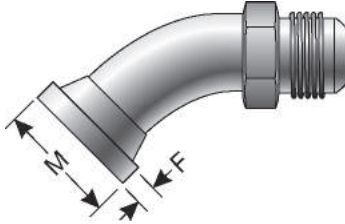
No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FLH6K-12MJ	7253-13305	3/4	1 1/16-12	1.63	41.4	.35	8.9	.65
16FLH6K-12MJ	7253-12445	1	1 1/16-12	1.88	47.8	.38	9.7	.92
16FLH6K-16MJ	7253-13325	1	1 5/16-12	1.88	47.8	.38	9.7	.89
16FLH6K-20MJ	7253-12465	1	1 5/8-12	1.88	47.8	.38	9.7	2.43
20FLH6K-16MJ	7253-12515	1 1/4	1 5/16-12	2.13	54.1	.41	10.4	1.52
20FLH6K-20MJ	7253-13345	1 1/4	1 5/8-12	2.13	54.1	.41	10.4	1.35
24FLH6K-20MJ	7253-13375	1 1/2	1 5/8-12	2.50	63.5	.50	12.7	.18
24FLH6K-24MJ	7253-13365	1 1/2	1 7/8-12	2.50	63.5	.50	12.7	1.52

## Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 45° - (6,000 psi)

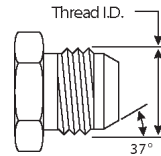
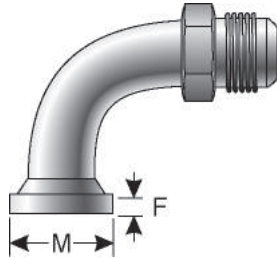
No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FLH6K-12MJ45	7253-13405	3/4	1 1/16-12	1.63	41.4	.35	8.9	1.61
16FLH6K-16MJ45	7253-13425	1	1 5/16-12	1.88	47.8	.38	9.7	1.64
20FLH6K-20MJ45	7253-13445	1 1/4	1 5/8-12	2.13	54.1	.41	10.4	1.87

## Code 62 O-Ring Flange Heavy to Male JIC 37° Flare 90° - (6,000 psi)

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FLH6K-12MJ90	7253-13505	3/4	1 1/16-12	1.63	41.4	.35	8.9	.08
12FLH6K-16MJ90	7253-13515	3/4	1 5/16-12	1.63	41.4	.35	8.9	1.95
16FLH6K-12MJ90	7253-12455	1	1 1/16-12	1.88	47.8	.38	9.7	1.47
16FLH6K-16MJ90	7253-13535	1	1 5/16-12	1.88	47.8	.38	9.7	1.32
16FLH6K-20MJ90	7253-13545	1	1 5/8-12	1.88	47.8	.38	9.7	2.00
20FLH6K-16MJ90	7253-12525	1 1/4	1 5/16-12	2.13	54.1	.41	10.4	2.70
20FLH6K-20MJ90	7253-13565	1 1/4	1 5/8-12	2.13	54.1	.41	10.4	2.19
24FLH6K-20MJ90	7253-13575	1 1/2	1 5/8-12	2.50	63.5	.50	12.7	2.83

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

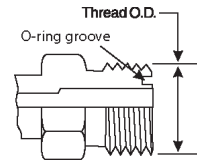
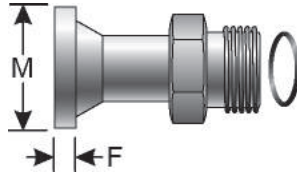
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring - (6,000 psi)**

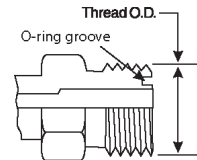
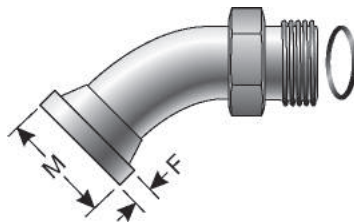
No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FLH6K-12MFFOR	7253-13605	3/4	1 3/16-12	1.63	41.4	.35	8.9	.65
16FLH6K-16MFFOR	7253-13615	1	1 7/16-12	1.88	47.8	.38	9.7	.90
20FLH6K-20MFFOR	7253-13625	1 1/4	1 7/16-13	2.13	54.1	.41	10.4	1.35

**Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 45° - (6,000 psi)**

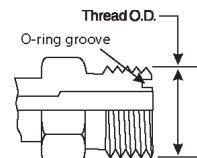
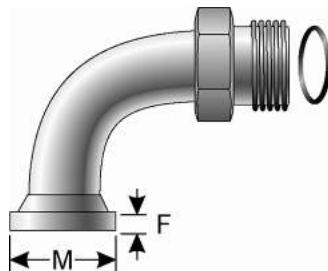
No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FLH6K-12MFFOR45	7253-13635	3/4	1 3/16-12	1.63	41.4	.35	8.9	.75
16FLH6K-16MFFOR45	7253-13645	1	1 7/16-12	1.88	47.8	.38	9.7	1.60
20FLH6K-20MFFOR45	7253-13655	1 1/4	1 7/16-13	2.13	54.1	.41	10.4	2.65


**Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 90° - (6,000 psi)**

No braze joints, solid one-piece construction for increased reliability.  
O-Ring not included. Must be ordered separately.



Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
12FLH6K-12MFFOR90	7253-13665	3/4	1 3/16-12	1.63	41.4	.35	8.9	2.11
16FLH6K-12MFFOR90	7253-13465	1 1/16-12	1 7/16-14	1.88	47.8	.38	9.7	.95

## Code 62 O-Ring Flange Heavy to Male Flat-Face O-Ring 90° - (6,000 psi) - Continued

Descr.	Prod. No.			M		F		Weight (Lbs.)
		"	"	"	mm	"	mm	
16FLH6K-16MFFOR90	7253-13675	1	1 7/16-12	1.88	47.8	.38	9.7	1.36
20FLH6K-20MFFOR90	7253-13685	1 1/4	1 11/16-12	2.13	54.1	.41	10.4	2.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

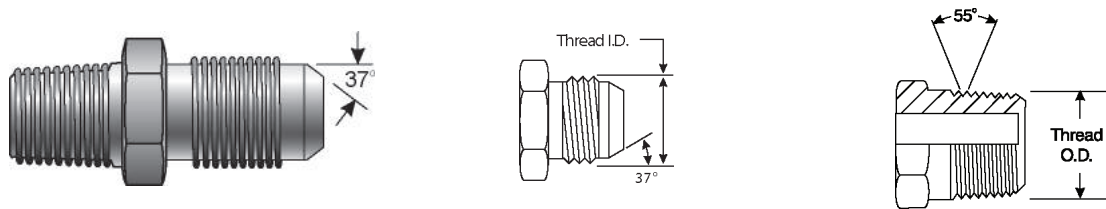
LIVE SWIVEL

BALL VALVES

ACCESSORIES

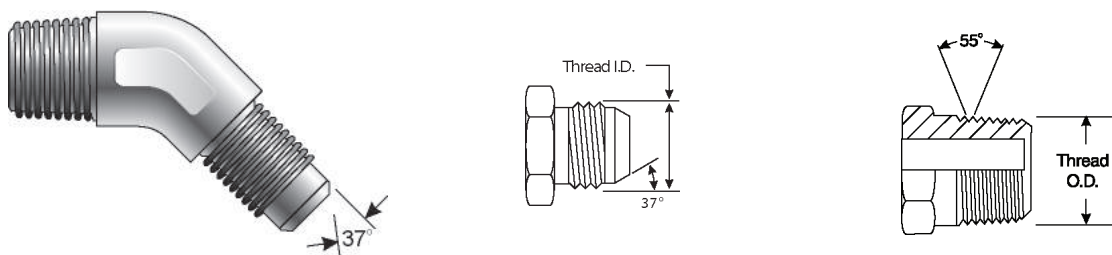
EQUIPMENT AND  
PARTS

## British Male Standard Pipe Tapered Thread to Male JIC 37° Flare




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPT-4MJ	7253-14255	1/8-28	7/16-20	.08
2MBSPT-5MJ	7253-60005	1/8-28	1/2-20	.02
2MBSPT-6MJ	7253-60015	1/8-28	9/16-18	.05
4MBSPT-4MJ	7253-14265	1/4-19	7/16-20	.12
4MBSPT-5MJ	7253-60025	1/4-19	1/2-20	.05
4MBSPT-6MJ	7253-60035	1/4-19	9/16-18	.05
4MBSPT-8MJ	7253-60045	1/4-19	3/4-16	.10
6MBSPT-4MJ	7253-60055	3/8-19	7/16-20	.05
6MBSPT-5MJ	7253-60065	3/8-19	1/2-20	.05
6MBSPT-6MJ	7253-14275	3/8-19	9/16-18	.14
6MBSPT-8MJ	7253-60075	3/8-19	3/4-16	.10
6MBSPT-10MJ	7253-60085	3/8-19	7/8-14	.15
8MBSPT-6MJ	7253-60095	1/2-14	9/16-18	.15
8MBSPT-8MJ	7253-14285	1/2-14	3/4-16	.20
8MBSPT-10MJ	7253-14295	1/2-14	7/8-14	.03
8MBSPT-12MJ	7253-60105	1/2-14	1 1/16-12	.25
12MBSPT-8MJ	7253-60115	3/4-14	3/4-16	.20
12MBSPT-10MJ	7253-60125	3/4-14	7/8-14	.25
12MBSPT-12MJ	7253-14305	3/4-14	1 1/16-12	.40
12MBSPT-14MJ	7253-60135	3/4-14	1 3/16-12	.35
12MBSPT-16MJ	7253-60145	3/4-14	1 5/16-12	.35
16MBSPT-12MJ	7253-60155	1-11	1 1/16-12	.45
16MBSPT-16MJ	7253-14315	1-11	1 5/16-12	.50
16MBSPT-20MJ	7253-60165	1-11	1 5/8-12	.70
20MBSPT-16MJ	7253-60175	1 1/4-11	1 5/16-12	.70
20MBSPT-20MJ	7253-60185	1 1/4-11	1 5/8-12	.75
24MBSPT-24MJ	7253-60195	1 1/2-11	1 7/8-12	1.10
32MBSPT-32MJ	7253-60205	2-11	2 1/2-12	2.05

## British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 45°

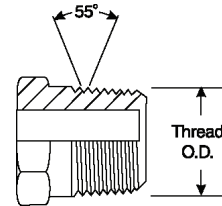
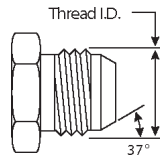
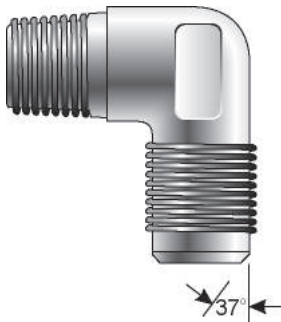



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPT-4MJ45	7253-60215	1/8-28	3/4-16	.01
4MBSPT-4MJ45	7253-60225	1/4-19	7/16-20	.05

## British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 45° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MBSPT-6MJ45	7253-60235	1/4-19	9/16-18	.05
6MBSPT-6MJ45	7253-60245	3/8-19	9/16-18	.10
6MBSPT-8MJ45	7253-60255	3/8-19	3/4-16	.10
8MBSPT-8MJ45	7253-60265	1/2-14	3/4-16	.20
8MBSPT-10MJ45	7253-60275	1/2-14	7/8-14	.20
12MBSPT-12MJ45	7253-60285	3/4-14	1 1/16-12	.35
12MBSPT-16MJ45	7253-60295	3/4-14	1 5/16-12	.55
16MBSPT-16MJ45	7253-60305	1-11	1 5/16-12	.55

## British Male Standard Pipe Tapered Thread to Male JIC 37° Flare - 90°



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPT-4MJ90	7253-60315	1/8-28	3/4-16	.05
4MBSPT-4MJ90	7253-60325	1/4-19	7/16-20	.10
4MBSPT-5MJ90	7253-60335	1/4-19	1/2-20	.10
4MBSPT-6MJ90	7253-60345	1/4-19	9/16-18	.05
6MBSPT-6MJ90	7253-60355	3/8-19	9/16-18	.15
6MBSPT-8MJ90	7253-60365	3/8-19	3/4-16	.20
8MBSPT-6MJ90	7253-60375	1/2-14	3/4-16	.15
8MBSPT-8MJ90	7253-60385	1/2-14	3/4-16	.25
8MBSPT-10MJ90	7253-60395	1/2-14	7/8-14	.25
8MBSPT-12MJ90	7253-60405	1/2-14	1 1/16-12	.45
12MBSPT-12MJ90	7253-60415	3/4-14	1 1/16-12	.50
12MBSPT-16MJ90	7253-60425	3/4-14	1 5/16-12	.75
16MBSPT-16MJ90	7253-60435	1-11	1 5/16-12	.80
20MBSPT-20MJ90	7253-60445	1 1/4-11	1 5/8-12	1.45
24MBSPT-24MJ90	7253-60455	1 1/2-11	1 7/8-12	2.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

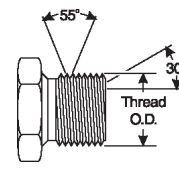
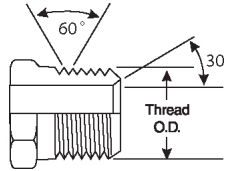
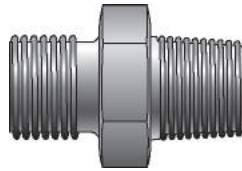
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

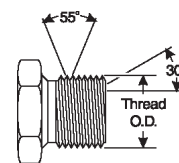
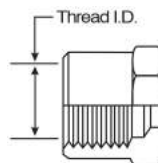
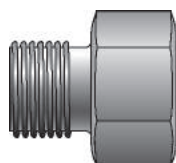
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## British Male Standard Pipe Parallel to Male Pipe NPTF




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPP-2MP	7253-60475	1/8-28	1/8-27	.05
2MBSPP-4MP	7253-60485	1/8-28	1/4-18	.05
4MBSPP-2MP	7253-60495	1/4-19	1/8-27	.05
4MBSPP-4MP	7253-15075	1/4-19	1/4-18	.07
4MBSPP-6MP	7253-60505	1/4-19	3/8-18	.05
4MBSPP-8MP	7253-60515	1/4-19	1/2-14	.10
6MBSPP-2MP	7253-60525	3/8-19	1/8-27	.04
6MBSPP-4MP	7253-60535	3/8-19	1/4-18	.10
6MBSPP-6MP	7253-15085	3/8-19	3/8-18	.11
6MBSPP-8MP	7253-60545	3/8-19	1/2-14	.10
6MBSPP-12MP	7253-60555	3/8-19	3/4-14	.20
6MBSPP-16MP	7253-60565	3/8-19	1-11 1/2	.35
8MBSPP-4MP	7253-60575	1/2-14	1/4-18	.10
8MBSPP-6MP	7253-60585	1/2-14	3/8-18	.10
8MBSPP-8MP	7253-15095	1/2-14	1/2-14	.17
8MBSPP-12MP	7253-60595	1/2-14	3/4-14	.15
8MBSPP-16MP	7253-60605	1/2-14	1-11 1/2	.35
10MBSPP-8MP	7253-60615	5/8-14	1/2-14	.15
10MBSPP-12MP	7253-60625	5/8-14	3/4-14	.20
12MBSPP-8MP	7253-60635	3/4-14	1/2-14	.15
12MBSPP-12MP	7253-15105	3/4-14	3/4-14	.28
12MBSPP-16MP	7253-60645	3/4-14	1-11 1/2	.35
12MBSPP-20MP	7253-60655	3/4-14	1 1/4-11 1/2	.60
16MBSPP-12MP	7253-60665	1-11	3/4-14	.40
16MBSPP-16MP	7253-15115	1-11	1-11 1/2	.53
16MBSPP-20MP	7253-60675	1-11	1 1/4-11 1/2	.65
20MBSPP-16MP	7253-60685	1 1/4-11	1-11 1/2	.70
20MBSPP-20MP	7253-60695	1 1/4-11	1 1/4-11 1/2	.70
20MBSPP-24MP	7253-60705	1 1/4-11	1 1/2-11 1/2	.85
24MBSPP-20MP	7253-60715	1 1/2-11	1 1/4-11 1/2	.85
24MBSPP-24MP	7253-60725	1 1/2-11	1 1/2-11 1/2	1.00
32MBSPP-32MP	7253-60735	2-11	2-11 1/2	1.40

## British Male Standard Pipe Parallel to Female Pipe NPTF

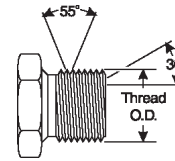
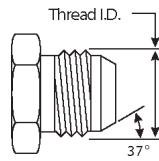
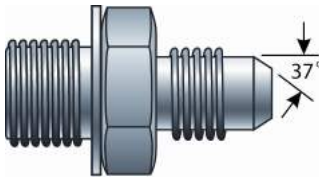



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPP-2FP	7253-60745	1/8-28	1/8-27	.05
2MBSPP-4FP	7253-60755	1/8-28	1/4-18	.05

## British Male Standard Pipe Parallel to Female Pipe NPTF - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MBSPP-2FP	7253-60765	1/4-19	1/8-27	.10
4MBSPP-4FP	7253-60775	1/4-19	1/4-18	.05
4MBSPP-6FP	7253-60785	1/4-19	3/8-18	.15
6MBSPP-2FP	7253-60795	3/8-19	1/8-27	.15
6MBSPP-4FP	7253-60805	3/8-19	1/4-18	.15
6MBSPP-6FP	7253-60815	3/8-19	3/8-18	.10
8MBSPP-4FP	7253-60825	1/2-14	1/4-18	.20
8MBSPP-6FP	7253-60835	1/2-14	3/8-18	.25
8MBSPP-8FP	7253-60845	1/2-14	1/2-14	.25
12MBSPP-8FP	7253-60855	3/4-14	1/2-14	.35
12MBSPP-12FP	7253-60865	3/4-14	3/4-14	.35
16MBSPP-16FP	7253-60875	1-11	1-11 1/2	.55
20MBSPP-16FP	7253-60885	1 1/4-11	1-11 1/2	1.30
20MBSPP-20FP	7253-60895	1 1/4-11	1 1/4-11 1/2	1.00
24MBSPP-20FP	7253-60905	1 1/2-11	1 1/4-11 1/2	1.30
24MBSPP-24FP	7253-60915	1 1/2-11	1 1/2-11 1/2	1.10
32MBSPP-32FP	7253-60925	2-11	2-11 1/2	1.60

## British Male Standard Pipe Parallel to Male JIC 37° Flare



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPP-4MJ	7253-60935	1/8-28	7/16-20	.02
2MBSPP-5MJ	7253-60945	1/8-28	1/2-20	.02
2MBSPP-6MJ	7253-60955	1/8-28	9/16-18	.05
4MBSPP-4MJ	7253-15015	1/4-19	7/16-20	.12
4MBSPP-5MJ	7253-60965	1/4-19	1/2-20	.05
4MBSPP-6MJ	7253-60975	1/4-19	9/16-18	.05
4MBSPP-8MJ	7253-60985	1/4-19	3/4-16	.10
6MBSPP-4MJ	7253-60995	3/8-19	7/16-20	.05
6MBSPP-5MJ	7253-61005	3/8-19	1/2-20	.05
6MBSPP-6MJ	7253-15025	3/8-19	9/16-18	.02
6MBSPP-8MJ	7253-61015	3/8-19	3/4-16	.10
8MBSPP-6MJ	7253-61025	1/2-14	9/16-18	.10
8MBSPP-8MJ	7253-15035	1/2-14	3/4-16	.20
8MBSPP-10MJ	7253-61035	1/2-14	7/8-14	.15
8MBSPP-12MJ	7253-61045	1/2-14	1 1/16-12	.20
10MBSPP-8MJ	7253-61055	5/8-14	3/4-16	.15
10MBSPP-10MJ	7253-15045	5/8-14	7/8-14	.20
10MBSPP-12MJ	7253-61065	5/8-14	1 1/16-12	.20
12MBSPP-8MJ	7253-61075	3/4-14	3/4-16	.20
12MBSPP-10MJ	7253-61085	3/4-14	7/8-14	.25
12MBSPP-12MJ	7253-15055	3/4-14	1 1/16-12	.22
12MBSPP-14MJ	7253-61095	3/4-14	1 3/16-12	.25
12MBSPP-16MJ	7253-61105	3/4-14	1 5/16-12	.35
16MBSPP-12MJ	7253-61115	1-11	1 1/16-12	.40

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

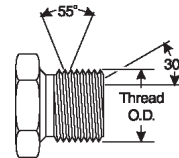
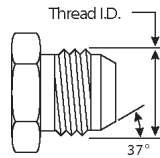
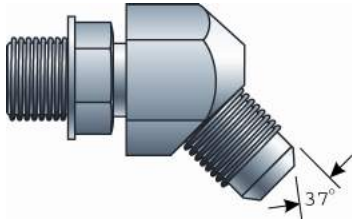
ACCESSORIES


EQUIPMENT AND  
PARTS

## British Male Standard Pipe Parallel to Male JIC 37° Flare - Continued

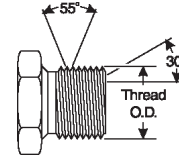
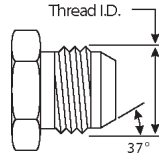
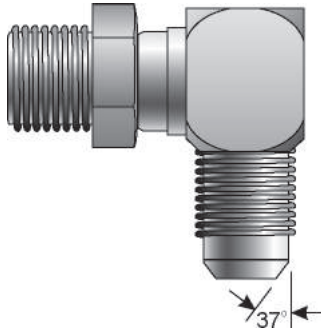
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		"	"	
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16MBSPP-20MJ	7253-61135	1-11	1 5/8-12	.60
20MBSPP-16MJ	7253-61145	1 1/4-11	1 5/16-12	.60
20MBSPP-20MJ	7253-61155	1 1/4-11	1 5/8-12	.70
20MBSPP-24MJ	7253-61165	1 1/4-11	1 7/8-12	.85
24MBSPP-20MJ	7253-61175	1 1/2-11	1 5/8-12	.90
24MBSPP-24MJ	7253-61185	1 1/2-11	1 7/8-12	.95
32MBSPP-32MJ	7253-61195	2-11	2 1/2-12	1.90

## British Male Standard Pipe Parallel to Male JIC 37° Flare - 45°



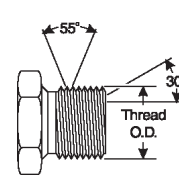
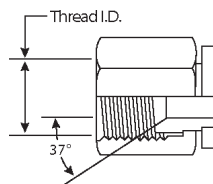
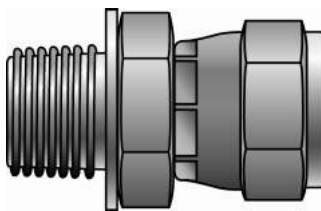
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPP-4MJ45	7253-61205	1/8-28	7/16-20	.05
4MBSPP-4MJ45	7253-61215	1/4-19	7/16-20	.10
4MBSPP-6MJ45	7253-61225	1/4-19	9/16-18	.10
6MBSPP-6MJ45	7253-61235	3/8-19	9/16-18	.15
6MBSPP-8MJ45	7253-61245	3/8-19	3/4-16	.20
8MBSPP-8MJ45	7253-61255	1/2-14	3/4-16	.25
8MBSPP-10MJ45	7253-61265	1/2-14	7/8-14	.30
8MBSPP-12MJ45	7253-61275	1/2-14	1 1/16-12	.45
12MBSPP-12MJ45	7253-61285	3/4-14	1 1/16-12	.55
16MBSPP-16MJ45	7253-61295	1-11	1 5/16-12	.85

## British Male Standard Pipe Parallel to Male JIC 37° Flare - 90°



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPP-4MJ90	7253-61305	1/8-28	7/16-20	.05
4MBSPP-4MJ90	7253-61315	1/4-19	7/16-20	.10
4MBSPP-5MJ90	7253-61325	1/4-19	1/2-20	.10
4MBSPP-6MJ90	7253-61335	1/4-19	9/16-18	.10
4MBSPP-8MJ90	7253-61345	1/4-19	3/4-16	.20
6MBSPP-4MJ90	7253-61355	3/8-19	7/16-20	.20
6MBSPP-5MJ90	7253-61365	3/8-19	1/2-20	.20
6MBSPP-8MJ90	7253-61385	3/8-19	3/4-16	.20
8MBSPP-6MJ90	7253-61395	1/2-14	9/16-18	.30
8MBSPP-10MJ90	7253-61415	1/2-14	7/8-14	.35
8MBSPP-12MJ90	7253-61425	1/2-14	1 1/16-12	.55
12MBSPP-8MJ90	7253-61435	3/4-14	3/4-16	.60
12MBSPP-10MJ90	7253-61445	3/4-14	7/8-14	.65
12MBSPP-16MJ90	7253-61465	3/4-14	1 5/16-12	.90
16MBSPP-12MJ90	7253-61475	1-11	1 1/16-12	.95
16MBSPP-16MJ90	7253-61485	1-11	1 5/16-12	.95
16MBSPP-20MJ90	7253-61495	1-11	1 5/8-12	1.45
20MBSPP-16MJ90	7253-61505	1 1/2-11	1 5/16-12	1.55
20MBSPP-20MJ90	7253-61515	1 1/2-11	1 5/8-12	1.55
24MBSPP-24MJ90	7253-61525	1 1/2-11	1 7/8-12	2.10

## British Male Standard Pipe Parallel to Female JIC 37° Flare Swivel



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPP-4FJX	7253-61535	1/8-28	7/16-20	.01
4MBSPP-4FJX	7253-15125	1/4-19	7/16-20	.07
4MBSPP-5FJX	7253-61545	1/4-19	1/2-20	.05
4MBSPP-6FJX	7253-61555	1/4-19	9/16-18	.05
6MBSPP-4FJX	7253-61565	3/8-19	7/16-20	.05
6MBSPP-6FJX	7253-15135	3/8-19	9/16-18	.14
6MBSPP-8FJX	7253-61575	3/8-19	3/4-16	.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL


BALL VALVES

ACCESSORIES

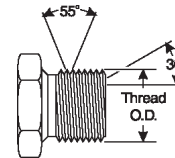
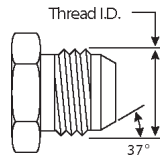
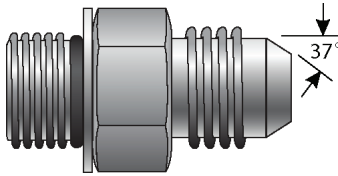
EQUIPMENT AND  
PARTS




## British Male Standard Pipe Parallel to Female JIC 37° Flare Swivel - Continued

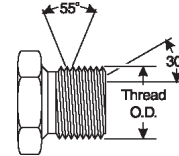
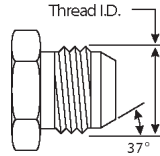
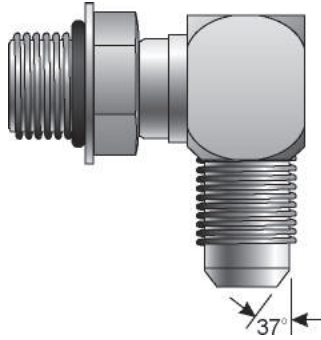
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8MBSPP-4FJX	7253-61585	1/2-14	7/16-20	.10
8MBSPP-6FJX	7253-61595	1/2-14	9/16-18	.15
8MBSPP-8FJX	7253-15145	1/2-14	3/4-16	.17
8MBSPP-10FJX	7253-61605	1/2-14	7/8-14	.15
8MBSPP-12FJX	7253-61615	1/2-14	1 1/16-12	.30
10MBSPP-8FJX	7253-61625	5/8-14	3/4-16	.15
10MBSPP-10FJX	7253-15155	5/8-14	7/8-14	.02
12MBSPP-8FJX	7253-61635	3/4-14	3/4-16	.25
12MBSPP-12FJX	7253-15165	3/4-14	1 1/16-12	.43
12MBSPP-16FJX	7253-61645	3/4-14	1 5/16-12	.50
16MBSPP-16FJX	7253-15175	1-11	1 5/16-12	.69
16MBSPP-20FJX	7253-61655	1-11	1 5/8-12	.85
20MBSPP-16FJX	7253-61665	1 1/4-11	1 5/16-12	.80
20MBSPP-20FJX	7253-61675	1 1/4-11	1 5/8-12	.90
24MBSPP-24FJX	7253-61685	1 1/2-11	1 7/8-12	1.30
32MBSPP-32FJX	7253-61695	2-11	2 1/2-12	2.15

## British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare



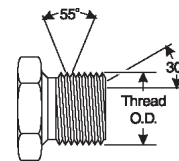
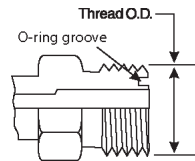
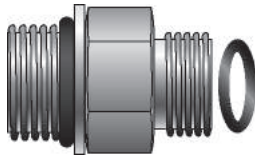
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPPOR-4MJ	7253-14005	1/8-28	7/16-20	.10
4MBSPPOR-4MJ	7253-14015	1/4-19	7/16-20	.16
4MBSPPOR-5MJ	7253-61705	1/4-19	1/2-20	.05
4MBSPPOR-6MJ	7253-14025	1/4-19	9/16-18	.14
6MBSPPOR-4MJ	7253-14035	3/8-19	7/16-20	.02
6MBSPPOR-5MJ	7253-61715	3/8-19	1/2-20	.10
6MBSPPOR-6MJ	7253-14045	3/8-19	9/16-18	.02
6MBSPPOR-8MJ	7253-14055	3/8-19	3/4-16	.02
8MBSPPOR-6MJ	7253-14075	1/2-14	9/16-18	.20
8MBSPPOR-8MJ	7253-14085	1/2-14	3/4-16	.20
8MBSPPOR-10MJ	7253-61725	1/2-14	7/8-14	.20
8MBSPPOR-12MJ	7253-14605	1/2-14	1 1/16-12	.32
12MBSPPOR-8MJ	7253-61735	3/4-14	3/4-16	.35
12MBSPPOR-10MJ	7253-61745	3/4-14	7/8-14	.35
12MBSPPOR-12MJ	7253-14095	3/4-14	1 1/16-12	.40
12MBSPPOR-16MJ	7253-61755	3/4-14	1 5/16-12	.40
16MBSPPOR-12MJ	7253-61765	1-11	1 1/16-12	.50
16MBSPPOR-16MJ	7253-14105	1-11	1 5/16-12	.20
20MBSPPOR-20MJ	7253-14115	1 1/4-11	1 5/8-12	.94
20MBSPPOR-24MJ	7253-61775	1 1/2-11	1 7/8-12	.95
24MBSPPOR-24MJ	7253-61785	1 1/2-11	1 7/8-12	1.25

## British Male Standard Pipe Parallel with O-Ring to Male JIC 37° Flare - 90°



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6MBSPPOR-6MJ90	7253-14505	3/8-19	9/16-18	.27
8MBSPPOR-8MJ90	7253-14515	1/2-14	3/4-16	.23
12MBSPPOR-12MJ90	7253-14525	3/4-14	1 1/2-12	.72

## British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPPOR-4MFFOR	7253-61795	1/8-28	9/16-18	.05
4MBSPPOR-4MFFOR	7253-61805	1/4-19	9/16-18	.05
4MBSPPOR-6MFFOR	7253-61815	1/4-19	11/16-16	.05
6MBSPPOR-6MFFOR	7253-61825	3/8-19	11/16-16	.15
6MBSPPOR-8MFFOR	7253-61835	3/8-19	13/16-16	.15
8MBSPPOR-6MFFOR	7253-61845	1/2-14	11/16-16	.20
8MBSPPOR-8MFFOR	7253-61855	1/2-14	13/16-16	.15
8MBSPPOR-10MFFOR	7253-61865	1/2-14	1-14	.20
12MBSPPOR-12MFFOR	7253-61875	3/4-14	1 3/16-12	.40
12MBSPPOR-16MFFOR	7253-61885	3/4-14	1 7/16-12	.55
16MBSPPOR-12MFFOR	7253-61895	1-11	1 3/16-12	.55
16MBSPPOR-16MFFOR	7253-61905	1-11	1 7/16-12	.55
20MBSPPOR-20MFFOR	7253-61915	1 1/4-11	1 11/16-12	.90
24MBSPPOR-24MFFOR	7253-61925	1 1/2-11	2-12	1.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

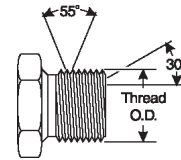
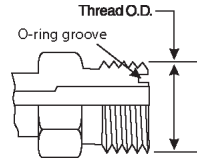
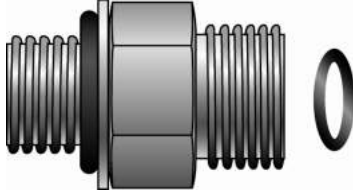
LIVE SWIVEL

BALL VALVES

ACCESSORIES

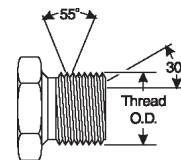
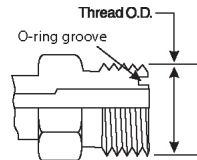
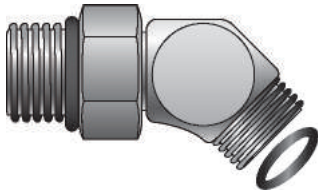
EQUIPMENT AND  
PARTS

## British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - Long



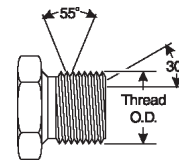
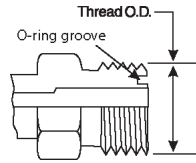
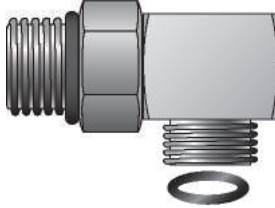
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6MBSPPOR-8MFFORL	7253-61935	3/8-19	1/2-16	.25
8MBSPPOR-8MFFORL	7253-61945	1/2-14	1/2-16	.35
8MBSPPOR-10MFFORL	7253-61955	1/2-14	5/8-14	.45
12MBSPPOR-10MFFORL	7253-61965	3/4-14	5/8-14	.65
12MBSPPOR-12MFFORL	7253-61975	3/4-14	3/4-12	.85
16MBSPPOR-16MFFORL	7253-61985	1-11	1-12	1.25
20MBSPPOR-20MFFORL	7253-61995	1 1/4-11	1 1/4-12	2.00

## British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 45°



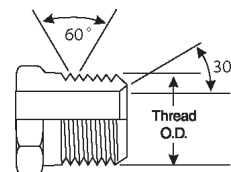
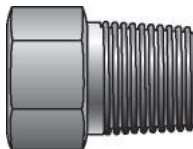
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPPOR-4MFFOR45	7253-62005	1/8-28	1/4-18	.05
4MBSPPOR-4MFFOR45	7253-62015	1/4-19	1/4-18	.15
4MBSPPOR-6MFFOR45	7253-62025	1/4-19	3/8-16	.15
6MBSPPOR-6MFFOR45	7253-62035	3/8-19	3/8-16	.20
6MBSPPOR-8MFFOR45	7253-62045	3/8-19	1/2-16	.20
8MBSPPOR-8MFFOR45	7253-62055	1/2-14	1/2-16	.35
8MBSPPOR-10MFFOR45	7253-62065	1/2-14	5/8-14	.40

## British Male Standard Pipe Parallel with O-Ring to Male Flat-Face O-Ring - 90°



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPPOR-4MFFOR90	7253-62075	1/8-28	1/4-18	.10
4MBSPPOR-4MFFOR90	7253-62085	1/4-19	1/4-18	.20
4MBSPPOR-6MFFOR90	7253-62095	1/4-19	3/8-16	.20
4MBSPPOR-8MFFOR90	7253-62105	1/4-19	1/2-16	.20
6MBSPPOR-6MFFOR90	7253-62115	3/8-19	3/8-16	.25
6MBSPPOR-8MFFOR90	7253-62125	3/8-19	1/2-16	.25
8MBSPPOR-6MFFOR90	7253-62135	1/2-14	3/8-16	.50
8MBSPPOR-8MFFOR90	7253-62145	1/2-14	1/2-16	.55
8MBSPPOR-10MFFOR90	7253-62155	1/2-14	5/8-14	.55
8MBSPPOR-12MFFOR90	7253-62165	1/2-14	3/4-12	.70
12MBSPPOR-12MFFOR90	7253-62175	3/4-14	3/4-12	.85
12MBSPPOR-16MFFOR90	7253-62185	3/4-14	1-12	1.20
16MBSPPOR-12MFFOR90	7253-62195	1-11	3/4-12	1.40
16MBSPPOR-16MFFOR90	7253-62205	1-11	1-12	1.30
20MBSPPOR-16MFFOR90	7253-62215	1 1/4-11	1-12	1.65
20MBSPPOR-20MFFOR90	7253-62225	1 1/4-11	1 1/4-12	1.70
24MBSPPOR-24MFFOR90	7253-62235	1 1/2-11	1 1/2-12	2.35

## Female British Standard Pipe Parallel to Male Pipe NPTF



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FBSPP-2MP	7253-62245	1/8-28	1/8-27	.01
2FBSPP-4MP	7253-62255	1/8-28	1/4-18	.01
4FBSPP-4MP	7253-62265	1/4-19	1/4-18	.10
4FBSPP-6MP	7253-62275	1/4-19	3/8-18	.15
4FBSPP-8MP	7253-62285	1/4-19	1/2-14	.10
6FBSPP-6MP	7253-62295	3/8-19	3/8-18	.10
6FBSPP-8MP	7253-62305	3/8-19	1/2-14	.15
8FBSPP-8MP	7253-62315	1/2-14	1/2-14	.25
8FBSPP-12MP	7253-62325	1/2-14	3/4-14	.45
12FBSPP-12MP	7253-62335	3/4-14	3/4-14	.35
12FBSPP-16MP	7253-62345	3/4-14	1-11 1/2	.20
16FBSPP-16MP	7253-62355	1-11	1-11 1/2	.55
20FBSPP-20MP	7253-62365	1 1/4-11	1 1/4-11 1/2	.95
20FBSPP-24MP	7253-62375	1 1/4-11	1 1/4-11 1/2	1.10

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

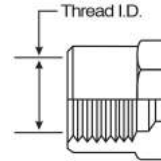
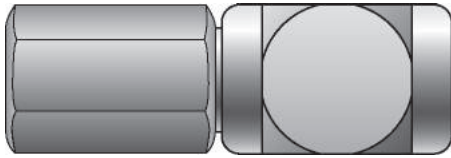
ACCESSORIES

EQUIPMENT AND  
PARTS

## Female British Standard Pipe Parallel to Male Pipe NPTF - Continued

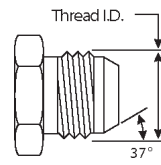
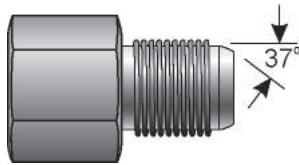
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		"	"	
24FBSP-24MP	7253-62385	1 1/2-11	1 1/2-11 1/2	.54
32FBSP-32MP	7253-62395	2-11	2-11 1/2	1.70

## Female British Standard Pipe Parallel to Female Pipe NPTF



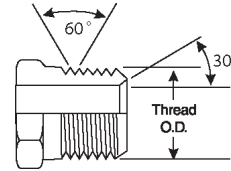
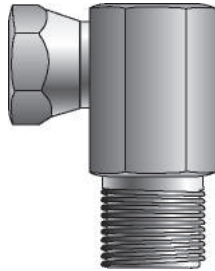
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FBSP-4FP	7253-65525	1/4-19	1/4-18	.05
6FBSP-6FP	7253-65535	3/8-19	3/8-18	.10
8FBSP-8FP	7253-65545	1/2-14	1/2-14	.30
12FBSP-12FP	7253-65555	3/4-14	3/4-14	.50
16FBSP-16FP	7253-65565	1-11	1-11 1/2	.60
20FBSP-20FP	7253-65575	1 1/4-11	1 1/4-11 1/2	1.00

## Female British Standard Pipe Parallel to Male JIC 37° Flare



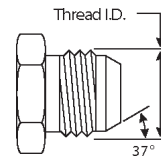
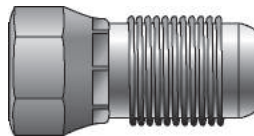
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FBSP-4MJ	7253-14155	1/8-28	7/16-20	.10
4FBSP-4MJ	7253-14225	1/4-19	7/16-20	.02
4FBSP-6MJ	7253-14165	1/4-19	9/16-18	.18
6FBSP-6MJ	7253-14175	3/8-19	9/16-18	.08
8FBSP-8MJ	7253-14185	1/2-14	3/4-16	.26
12FBSP-12MJ	7253-14195	3/4-14	1 1/16-12	.54
16FBSP-16MJ	7253-14205	1-11	1 5/16-12	.66
20FBSP-20MJ	7253-14215	1 1/4-11	1 5/8-12	.92
24FBSP-24MJ	7253-62415	1 1/2-11	1 7/8-12	1.05

## Female British Standard Pipe Parallel Swivel to Male Pipe NPTF - 90°



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FBSPPX-2MP90	7253-62425	1/8-28	1/8-27	.05
4FBSPPX-4MP90	7253-62435	1/4-19	1/4-18	.10
6FBSPPX-6MP90	7253-62445	3/8-19	3/8-18	.20
8FBSPPX-8MP90	7253-62455	1/2-14	1/2-14	.35
12FBSPPX-12MP90	7253-62465	3/4-14	3/4-14	.55
16FBSPPX-16MP90	7253-62475	1-11	1-11 1/2	1.00
20FBSPPX-20MP90	7253-62485	1 1/4-11	1 1/4-11 1/2	1.70
24FBSPPX-24MP90	7253-62495	1 1/2-11	1 1/4-11 1/2	2.70

## Female British Standard Pipe Parallel Swivel to Male JIC 37° Flare



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2FBSPPX-4MJ	7253-62545	1/8-28	7/16-20	.05
4FBSPPX-4MJ	7253-15245	1/4-19	7/16-20	.07
4FBSPPX-5MJ	7253-62555	1/4-19	1/2-20	.05
4FBSPPX-6MJ	7253-62565	1/4-19	9/16-18	.05
6FBSPPX-4MJ	7253-62575	3/8-19	7/16-20	.15
6FBSPPX-5MJ	7253-62585	3/8-19	1/2-20	.15
6FBSPPX-6MJ	7253-15255	3/8-19	9/16-18	.15
6FBSPPX-8MJ	7253-62595	3/8-19	3/4-16	.15
6FBSPPX-10MJ	7253-62605	3/8-19	7/8-14	.15
8FBSPPX-6MJ	7253-62615	1/2-14	9/16-18	.15
8FBSPPX-8MJ	7253-15265	1/2-14	3/4-16	.24
8FBSPPX-10MJ	7253-62625	1/2-14	7/8-14	.20
10FBSPPX-8MJ	7253-62635	5/8-14	3/4-16	.20
10FBSPPX-10MJ	7253-15275	5/8-14	7/8-14	.27
12FBSPPX-8MJ	7253-62645	3/4-14	3/4-16	.35
12FBSPPX-10MJ	7253-62655	3/4-14	7/8-14	.35
12FBSPPX-12MJ	7253-15285	3/4-14	1 1/16-12	.53
12FBSPPX-16MJ	7253-62665	3/4-14	1 5/16-12	.45
16FBSPPX-12MJ	7253-62675	1-11	1 1/16-12	.55
16FBSPPX-16MJ	7253-15295	1-11	1 5/16-12	.47
20FBSPPX-20MJ	7253-62685	1 1/4-11	1 5/8-12	.90
24FBSPPX-24MJ	7253-62695	1 1/2-11	1 7/8-12	1.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

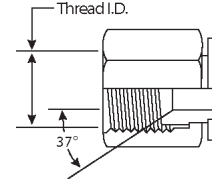
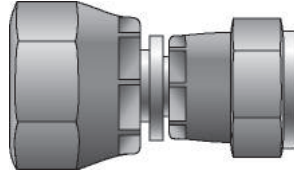
LIVE SWIVEL

BALL VALVES

ACCESSORIES

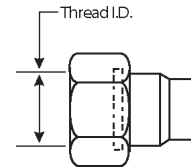
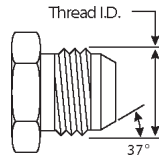
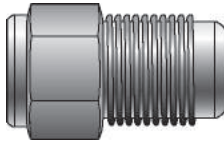
EQUIPMENT AND  
PARTS

## Female British Standard Pipe Parallel Swivel to Female JIC 37° Flare Swivel



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FBSPPX-4FJX	7253-15305	1/4-19	7/16-20	.02
4FBSPPX-6FJX	7253-62505	1/4-19	9/16-18	.05
6FBSPPX-6FJX	7253-15315	3/8-19	9/16-18	.02
6FBSPPX-8FJX	7253-62515	3/8-19	3/4-16	.15
8FBSPPX-6FJX	7253-62525	1/2-14	9/16-18	.15
8FBSPPX-8FJX	7253-15325	1/2-14	3/4-16	.20
10FBSPPX-10FJX	7253-15335	5/8-14	7/8-14	.21
12FBSPPX-12FJX	7253-15345	3/4-14	1 1/16-12	.40
16FBSPPX-16FJX	7253-15355	1-11	1 5/16-12	.42
20FBSPPX-20FJX	7253-62535	1 1/4-11	1 5/8-12	.80


## Female British Flat-Face O-Ring to Male JIC 37° Flare



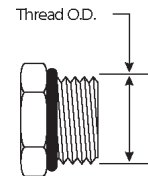
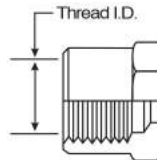
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6FBFFOR-6MJ	7253-62705	3/8-19	9/16-18	.10
8FBFFOR-6MJ	7253-62715	1/2-14	9/16-18	.15
8FBFFOR-8MJ	7253-62725	1/2-14	3/4-16	.20
8FBFFOR-10MJ	7253-62735	1/2-14	7/8-14	.20
10FBFFOR-8MJ	7253-62745	5/8-14	3/4-16	.20
12FBFFOR-8MJ	7253-62755	3/4-14	3/4-16	.30
12FBFFOR-10MJ	7253-62765	3/4-14	7/8-14	.30
12FBFFOR-12MJ	7253-62775	3/4-14	1 1/16-12	.35


## Male Metric O-Ring Plug



Descr.	Prod. No.		Weight (Lbs.)
		"	
12MMOR-PLUG	7253-65415	M12X1.5	.01
14MMOR-PLUG	7253-65425	M14X1.5	.01
16MMOR-PLUG	7253-65435	M16X1.5	.05
18MMOR-PLUG	7253-65445	M18X1.5	.05
20MMOR-PLUG	7253-65455	M20X1.5	.05
22MMOR-PLUG	7253-65465	M22X1.5	.10
24MMOR-PLUG	7253-65475	M24X1.5	.10
26MMOR-PLUG	7253-65485	M26X1.5	.15
30MMOR-PLUG	7253-65495	M30X2.0	.15
36MMOR-PLUG	7253-65505	M36X2.0	.30
42MMOR-PLUG	7253-65515	M42X2.0	.45

## Male Metric with O-Ring to Female Pipe NPTF



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
10MM-2FP	7253-62785	M10X1.0	1/8-27	.05
12MM-2FP	7253-62795	M12X1.5	1/8-27	.03
12MM-4FP	7253-62805	M12X1.5	1/4-18	.05
12MM-6FP	7253-62815	M12X1.5	3/8-18	.10
14MM-4FP	7253-62825	M14X1.5	1/4-18	.05
16MM-6FP	7253-62835	M16X1.5	3/8-18	.10
16MM-8FP	7253-62845	M16X1.5	1/2-14	.25
18MM-6FP	7253-62855	M18X1.5	3/8-18	.15
18MM-8FP	7253-62865	M18X1.5	1/2-14	.25
20MM-4FP	7253-62875	M20X1.5	1/4-18	.30
20MM-6FP	7253-62885	M20X1.5	3/8-18	.30
20MM-8FP	7253-62895	M20X1.5	1/2-14	.20
22MM-6FP	7253-62905	M22X1.5	3/8-18	.25
22MM-8FP	7253-62915	M22X1.5	1/2-14	.25
22MM-12FP	7253-62925	M22X1.5	3/4-14	.35
24MM-12FP	7253-62935	M24X1.5	3/4-14	.35
26MM-12FP	7253-62945	M26X1.5	3/4-14	.18
27MM-12FP	7253-62955	M27X2.0	3/4-14	.35
33MM-16FP	7253-62965	M33X2.0	1-11 1/2	.55

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

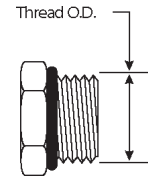
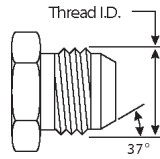
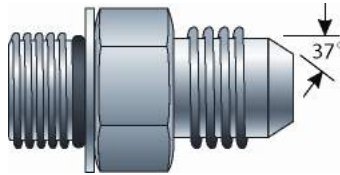
ACCESSORIES

EQUIPMENT AND  
PARTS



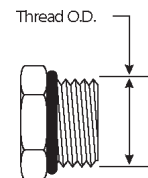
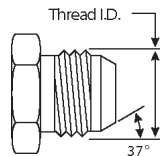
## Metric Conversion

### Male Metric with O-Ring to Male JIC 37° Flare




Descr.	Prod. No.			Weight (Lbs.)
		"	"	
10MM-4MJ	7253-14355	M10X1.0	7/16-20	.10
12MM-4MJ	7253-14365	M12X1.5	7/16-20	.14
12MM-5MJ	7253-62975	M12X1.5	1/2-20	.05
12MM-6MJ	7253-62985	M12X1.5	9/16-18	.05
14MM-4MJ	7253-62995	M14X1.5	7/16-20	.05
14MM-6MJ	7253-14375	M14X1.5	9/16-18	.02
14MM-8MJ	7253-63005	M14X1.5	3/4-16	.10
16MM-5MJ	7253-63015	M16X1.5	1/2-20	.10
16MM-6MJ	7253-14385	M16X1.5	9/16-18	.20
16MM-8MJ	7253-14395	M16X1.5	3/4-16	.02
18MM-8MJ	7253-14405	M18X1.5	3/4-16	.02
18MM-10MJ	7253-14415	M18X1.5	7/8-14	.02
20MM-10MJ	7253-14425	M20X1.5	7/8-14	.20
22MM-8MJ	7253-63025	M22X1.5	3/4-16	.20
22MM-10MJ	7253-14435	M22X1.5	7/8-14	.28
22MM-12MJ	7253-14445	M22X1.5	1 1/16-12	.34
26MM-12MJ	7253-63035	M26X1.5	1 1/16-12	.35
27MM-12MJ	7253-14455	M27X2.0	1 1/16-12	.40
27MM-16MJ	7253-63045	M27X2.0	1 5/16-12	.40
33MM-16MJ	7253-14465	M33X2.0	1 5/16-12	.42
33MM-20MJ	7253-63055	M33X2.0	1 5/8-12	.60
42MM-20MJ	7253-14475	M42X2.0	1 5/8-12	.96
48MM-24MJ	7253-63065	M48X2.0	1 7/8-12	1.30

### Male Metric with O-Ring to Male JIC 37° Flare - 90°

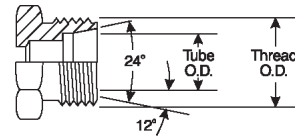
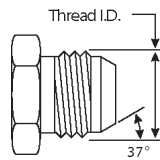
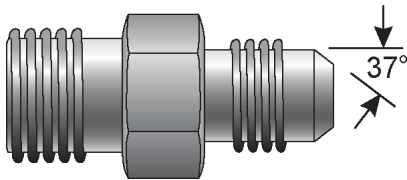



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
10MM-4MJ90	7253-65585	M10X1.0	7/16-20	.05
12MM-4MJ90	7253-65595	M12X1.5	7/16-20	.10
12MM-5MJ90	7253-65615	M12X1.5	1/2-20	.10
12MM-6MJ90	7253-65625	M12X1.5	9/16-18	.40
14MM-4MJ90	7253-65605	M14X1.5	7/16-20	.10
14MM-6MJ90	7253-65635	M14X1.5	9/16-18	.10
16MM-6MJ90	7253-65645	M16X1.5	9/16-18	.20

## Male Metric with O-Ring to Male JIC 37° Flare - 90° - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
16MM-8MJ90	7253-65655	M16X1.5	3/4-16	.20
18MM-8MJ90	7253-65665	M18X1.5	3/4-16	.25
18MM-10MJ90	7253-65685	M18X1.5	7/8-14	.35
20MM-10MJ90	7253-65695	M20X1.5	7/8-14	.35
22MM-8MJ90	7253-65675	M22X1.5	3/4-16	.35
22MM-10MJ90	7253-65705	M22X1.5	7/8-14	.35
22MM-12MJ90	7253-65715	M22X1.5	1 1/16-12	.55
26MM-12MJ90	7253-65725	M26X1.5	1 1/16-12	.65
27MM-16MJ90	7253-65735	M27X2.0	1 5/16-12	.95
33MM-16MJ90	7253-65745	M33X2.0	1 5/16-12	.95
42MM-20MJ90	7253-65755	M42X2.0	1 5/8-12	1.60

## Male DIN 24° Cone - Light Series to Male JIC 37° Flare



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6MDL-4MJ	7253-63075	M12X1.5	7/16-20	.05
8MDL-4MJ	7253-15365	M14X1.5	7/16-20	.08
8MDL-6MJ	7253-63095	M14X1.5	9/16-18	.05
10MDL-4MJ	7253-63105	M16X1.5	7/16-20	.05
10MDL-6MJ	7253-15375	M16X1.5	9/16-18	.09
10MDL-8MJ	7253-63115	M16X1.5	3/4-16	.10
12MDL-6MJ	7253-15585	M18X1.5	9/16-18	.21
12MDL-8MJ	7253-63135	M18X1.5	3/4-16	.15
15MDL-8MJ	7253-15385	M22X1.5	3/4-16	.20
15MDL-10MJ	7253-63145	M22X1.5	7/8-14	.20
15MDL-12MJ	7253-63155	M22X1.5	1 1/16-12	.25
18MDL-10MJ	7253-15515	M26X1.5	7/8-14	.33
18MDL-12MJ	7253-63165	M26X1.5	1 1/16-12	.30
22MDL-12MJ	7253-15395	M30X2.0	1 1/16-12	.26
28MDL-16MJ	7253-15405	M36X2.0	1 5/16-12	.40
35MDL-20MJ	7253-63175	M45X2.0	1 5/8-12	.85
42MDL-24MJ	7253-63185	M52X2.0	1 7/8-12	1.10

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

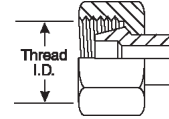
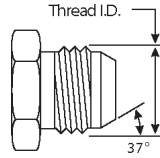
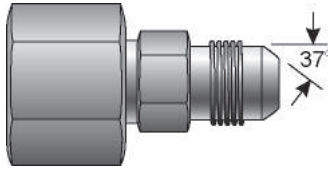
LIVE SWIVEL

BALL VALVES

ACCESSORIES

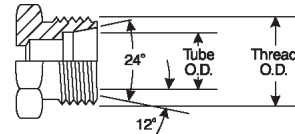
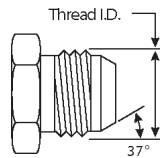
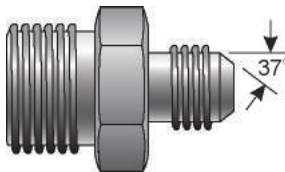
EQUIPMENT AND  
PARTS

## Female DIN 24° Cone Swivel - Light Series to Male JIC 37° Flare



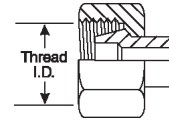
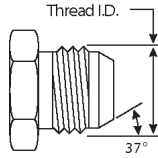
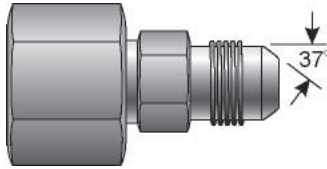
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6FDLX-4MJ	7253-64725	M12X1.5	7/16-20	.05
6FDLX-5MJ	7253-64735	M6X1.5	1/2-20	.05
8FDLX-4MJ	7253-15465	M14X1.5	7/16-20	.09
8FDLX-6MJ	7253-64755	M14X1.5	9/16-18	.05
10FDLX-6MJ	7253-15475	M16X1.5	9/16-18	.12
10FDLX-8MJ	7253-64775	M16X1.5	3/4-16	.15
12FDLX-6MJ	7253-15545	M18X1.5	9/16-18	.16
12FDLX-8MJ	7253-64795	M18X1.5	3/4-16	.15
12FDLX-10MJ	7253-64805	M18X1.5	7/8-14	.15
15FDLX-6MJ	7253-64815	M22X1.5	9/16-18	.15
15FDLX-8MJ	7253-15485	M22X1.5	3/4-16	.22
15FDLX-10MJ	7253-64835	M22X1.5	7/8-14	.20
22FDLX-12MJ	7253-15495	M30X2.0	1 1/16-12	.39
28FDLX-16MJ	7253-15505	M36X2.0	1 5/16-12	.51

## Male DIN 24° Cone - Heavy Series to Male JIC 37° Flare



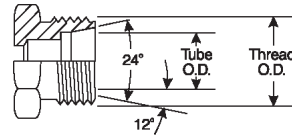
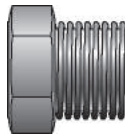
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
6MDH-4MJ	7253-63195	M14X1.5	7/16-20	.05
8MDH-4MJ	7253-63205	M16X1.5	7/16-20	.10
8MDH-6MJ	7253-63215	M16X1.5	9/16-18	.10
10MDH-4MJ	7253-15415	M18X1.5	7/16-20	.10
10MDH-8MJ	7253-63225	M18X1.5	3/4-16	.15
12MDH-6MJ	7253-63235	M20X1.5	9/16-18	.15
12MDH-8MJ	7253-63245	M20X1.5	3/4-16	.15
12MDH-10MJ	7253-63255	M20X1.5	7/8-14	.20
14MDH-6MJ	7253-15425	M22X1.5	9/16-18	.17
14MDH-8MJ	7253-63265	M22X1.5	3/4-16	.20
16MDH-8MJ	7253-15435	M24X1.5	3/4-16	.19
16MDH-10MJ	7253-63285	M24X1.5	1 7/8-12	.30
16MDH-12MJ	7253-63275	M24X1.5	1 1/16-12	.30
20MDH-10MJ	7253-15525	M30X2.0	7/8-14	.33
20MDH-12MJ	7253-63295	M30X2.0	1 1/16-12	.40
25MDH-12MJ	7253-15445	M36X2.0	1 1/16-12	.62
25MDH-16MJ	7253-63305	M36X2.0	1 5/16-12	.55
30MDH-16MJ	7253-15455	M42X2.0	1 5/16-12	.78
38MDH-20MJ	7253-63315	M52X2.0	1 5/8-12	1.20
38MDH-24MJ	7253-63325	M52X2.0	1 7/8-12	1.15

## Female DIN 24° Cone Swivel - Heavy Series to Male JIC 37° Flare



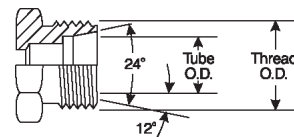
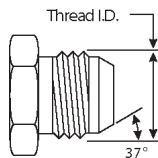
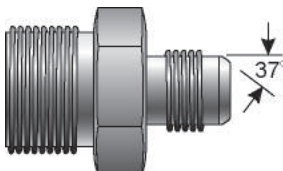
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
10FDHX-4MJ	7253-15605	M18X1.5	7/16-20	.05
12FDHX-5MJ	7253-15615	M20X1.5	1/2-20	.19
12FDHX-6MJ	7253-64845	M20X1.5	9/16-18	.15
12FDHX-8MJ	7253-64855	M20X1.5	3/4-16	.15
12FDHX-10MJ	7253-64865	M20X1.5	7/8-14	.20
14FDHX-6MJ	7253-15625	M22X1.5	9/16-18	.15
16FDHX-8MJ	7253-15635	M24X1.5	3/4-16	.26
20FDHX-10MJ	7253-15645	M30X2.0	7/8-14	.33
25FDHX-12MJ	7253-15655	M36X2.0	1 1/16-12	.48
30FDHX-16MJ	7253-15665	M42X2.0	1 5/16-12	.86
38FDHX-20MJ	7253-15675	M52X2.0	1 5/8-12	.92

## Male Kobelco Plug



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
22MKB-PLUG	7253-65295	M30X1.5		.35

## Male Kobelco to Male JIC 37° Flare



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
22MKB-12MJ	7253-66105	M30X1.5	1 1/16-12	.40
28MKB-12MJ	7253-65305	M36X1.5	1 1/16-12	.55
28MKB-16MJ	7253-65315	M36X1.5	1 5/16-12	.45
35MKB-16MJ	7253-65325	M45X1.5	1 5/16-12	.85
35MKB-20MJ	7253-65335	M45X1.5	1 5/8-12	.85

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL


BALL VALVES

ACCESSORIES

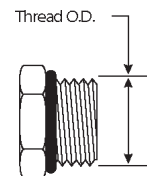
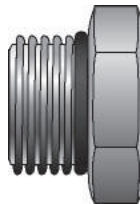
EQUIPMENT AND  
PARTS


## British Bonded Seal



Descr.	Prod. No.		Weight (Lbs.)
		"	
2BBDS	7253-63335	3/8	.01
4BBDS	7253-63345	17/32	.01
6BBDS	7253-63355	21/32	.01
8BBDS	7253-63365	13/16	.01
10BBDS	7253-63375	29/32	.01
12BBDS	7253-63385	1 1/32	.01
16BBDS	7253-63395	1 11/32	.01
20BBDS	7253-63405	1 21/32	.01
24BBDS	7253-63415	1 7/8	.01
32BBDS	7253-63425	2 11/32	.01
40BBDS	7253-63435	2 1/2	.05
48BBDS	7253-63445	3	.05


## Male British Standard Pipe Parallel with O-Ring Plug



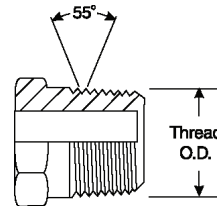
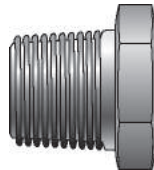
Descr.	Prod. No.		Weight (Lbs.)
		"	
2MBSPOR-PLUG	7253-65345	1/8-28	.01
4MBSPOR-PLUG	7253-65355	1/4-19	.05
6MBSPOR-PLUG	7253-65365	3/8-19	.05
8MBSPOR-PLUG	7253-65375	1/2-14	.10
12MBSPOR-PLUG	7253-65385	3/4-14	.15
16MBSPOR-PLUG	7253-65395	1-11	.25
20MBSPOR-PLUG	7253-65405	1 1/4-11	.40


## Female British Standard Pipe Parallel Cap



Descr.	Prod. No.		Weight (Lbs.)
		"	
2FBSPP-CAP	7253-63455	1/8-28	.01
4FBSPP-CAP	7253-63465	1/4-19	.05
6FBSPP-CAP	7253-63475	3/8-19	.10
8FBSPP-CAP	7253-63485	1/2-14	.15
10FBSPP-CAP	7253-63495	5/8-14	.15
12FBSPP-CAP	7253-63505	3/4-14	.20
16FBSPP-CAP	7253-63515	1-11	.30
20FBSPP-CAP	7253-63525	1 1/4-11	.55
24FBSPP-CAP	7253-63535	1 1/2-11	1.00
32FBSPP-CAP	7253-63545	2-11	1.80

## Male British Standard Pipe Tapered Thread Plug



Descr.	Prod. No.		Weight (Lbs.)
		"	
2MBSPT-PLUG	7253-63555	1/8-28	.01
4MBSPT-PLUG	7253-63565	1/4-19	.05
6MBSPT-PLUG	7253-63575	3/8-19	.10
8MBSPT-PLUG	7253-63585	1/2-14	.15
10MBSPT-PLUG	7253-63595	5/8-14	.20
12MBSPT-PLUG	7253-63605	3/4-14	.30
16MBSPT-PLUG	7253-63615	1-11	.55
20MBSPT-PLUG	7253-63625	1 1/4-11	1.05
24MBSPT-PLUG	7253-63635	1 1/2-11	1.40

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

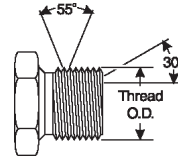
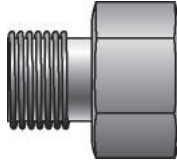
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

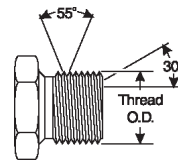
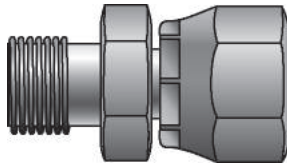
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Male British Standard Pipe Parallel Plug




Descr.	Prod. No.		Weight (Lbs.)
		"	
2MBSPP-PLUG	7253-63655	1/8-28	.01
4MBSPP-PLUG	7253-63665	1/4-19	.01
6MBSPP-PLUG	7253-63675	3/8-19	.05
8MBSPP-PLUG	7253-63685	1/2-14	.15
10MBSPP-PLUG	7253-63695	5/8-14	.15
12MBSPP-PLUG	7253-63705	3/4-14	.25
16MBSPP-PLUG	7253-63715	1-11	.45
20MBSPP-PLUG	7253-63725	1 1/4-11	.65
24MBSPP-PLUG	7253-63735	1 1/2-11	.80
32MBSPP-PLUG	7253-63745	2-11	1.65

## Male British Standard Pipe Parallel to Female British Standard Pipe Parallel Swivel

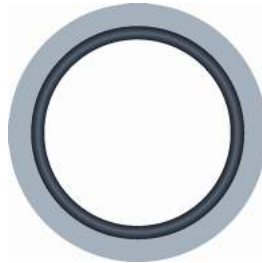



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
2MBSPP-2FBSPPX	7253-63775	1/8-28	1/8-28	.05
2MBSPP-4FBSPPX	7253-63785	1/8-28	1/4-19	.05
4MBSPP-2FBSPPX	7253-63795	1/4-19	1/8-28	.05
4MBSPP-4FBSPPX	7253-15185	1/4-19	1/4-19	.10
4MBSPP-6FBSPPX	7253-63805	1/4-19	3/8-19	.10
4MBSPP-8FBSPPX	7253-63815	1/4-19	1/2-14	.15
6MBSPP-4FBSPPX	7253-63825	3/8-19	1/4-19	.10
6MBSPP-6FBSPPX	7253-15195	3/8-19	3/8-19	.03
6MBSPP-8FBSPPX	7253-63835	3/8-19	1/2-14	.25
8MBSPP-6FBSPPX	7253-63845	1/2-14	3/8-19	.15
8MBSPP-8FBSPPX	7253-15205	1/2-14	1/2-14	.21
8MBSPP-10FBSPPX	7253-63855	1/2-14	5/8-14	.20
8MBSPP-12FBSPPX	7253-63865	1/2-14	3/4-14	.35
10MBSPP-8FBSPPX	7253-63875	5/8-14	1/2-14	.25
10MBSPP-10FBSPPX	7253-15215	5/8-14	7/8-14	.21
10MBSPP-12FBSPPX	7253-63885	5/8-14	3/4-14	.30
12MBSPP-6FBSPPX	7253-63895	3/4-14	3/8-19	.30
12MBSPP-8FBSPPX	7253-63905	3/4-14	1/2-14	.30
12MBSPP-10FBSPPX	7253-63915	3/4-14	5/8-14	.30
12MBSPP-12FBSPPX	7253-15225	3/4-14	3/4-14	.40
12MBSPP-16FBSPPX	7253-63925	3/4-14	1-11	.45
12MBSPP-20FBSPPX	7253-63935	3/4-14	1 1/4-11	.90
16MBSPP-12FBSPPX	7253-63945	1-11	3/4-14	.55

## Male British Standard Pipe Parallel to Female British Standard Pipe Parallel Swivel - Continued

Descr.	Prod. No.			Weight (Lbs.)
		"	"	
16MBSPP-16FBSPPX	7253-15235	1-11	1-11	.62
16MBSPP-20FBSPPX	7253-63955	1-11	1 1/4-11	.85
20MBSPP-16FBSPPX	7253-63965	1 1/4-11	1-11	.85
20MBSPP-20FBSPPX	7253-63975	1 1/4-11	1 1/4-11	.95
20MBSPP-24FBSPPX	7253-63985	1 1/4-11	1 1/2-11	1.15
24MBSPP-20FBSPPX	7253-63995	1 1/2-11	1 1/4-11	1.05
24MBSPP-24FBSPPX	7253-64005	1 1/2-11	1 1/2-11	1.30
32MBSPP-32FBSPPX	7253-64015	2-11	2-11	2.15

## Metric Bonded Seal



Descr.	Prod. No.		Weight (Lbs.)
		mm	
6MBDS	7253-64025	6.0	.01
8MBDS	7253-64035	8.0	.01
10MBDS	7253-64045	10.0	.01
12MBDS	7253-64055	12.0	.01
14MBDS	7253-64065	14.0	.01
16MBDS	7253-64075	16.0	.01
18MBDS	7253-64085	18.0	.01
20MBDS	7253-64095	20.0	.01
22MBDS	7253-64105	22.0	.01
24MBDS	7253-64115	24.0	.01
26MBDS	7253-64125	26.0	.01
27MBDS	7253-64135	27.0	.01
30MBDS	7253-64145	30.0	.01
33MBDS	7253-64155	33.0	.01
36MBDS	7253-64165	36.0	.01
42MBDS	7253-64175	42.0	.01
45MBDS	7253-64185	45.0	.01
50MBDS	7253-64195	50.0	.02
52MBDS	7253-64205	52.0	.01

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

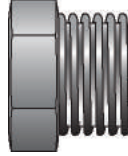
BALL VALVES


ACCESSORIES

EQUIPMENT AND  
PARTS

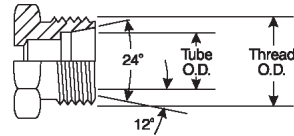



## Male Metric Plug



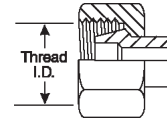
Descr.	Prod. No.		Weight (Lbs.)
		"	
8MM-PLUG	7253-64215	M08X1.0	.01
10MM-PLUG	7253-64225	M10X1.5	.01
12MM-PLUG	7253-64235	M12X1.5	.01
14MM-PLUG	7253-64245	M14X1.5	.05
16MM-PLUG	7253-64255	M16X1.5	.05
18MM-PLUG	7253-64265	M18X1.5	.10
20MM-PLUG	7253-64275	M20X1.5	.10
22MM-PLUG	7253-64285	M22X1.5	.15
24MM-PLUG	7253-64295	M24X1.5	.15
26MM-PLUG	7253-64305	M26X1.5	.15
30MM-PLUG	7253-64315	M30X1.5	.40


## Male DIN 24° Cone - Light Series Plug



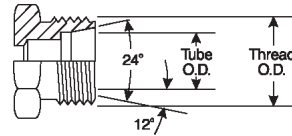
Descr.	Prod. No.		Weight (Lbs.)
		"	
6MDL-PLUG	7253-64325	M12X1.5	.01
8MDL-PLUG	7253-64335	M14X1.5	.01
10MDL-PLUG	7253-64345	M16X1.5	.01
12MDL-PLUG	7253-64355	M18X1.5	.05
15MDL-PLUG	7253-64365	M22X1.5	.05
18MDL-PLUG	7253-64375	M26X1.5	.10
22MDL-PLUG	7253-64385	M30X2.0	.15
28MDL-PLUG	7253-64395	M36X2.0	.30
35MDL-PLUG	7253-64405	M45X2.0	.45
42MDL-PLUG	7253-64415	M52X2.0	.70


## Female DIN 24° Cone - Light Series Cap



Descr.	Prod. No.		Weight (Lbs.)
		"	
6FDL-CAP	7253-64425	M12X1.5	.01
8FDL-CAP	7253-64435	M14X1.5	.01
10FDL-CAP	7253-64445	M16X1.5	.05
12FDL-CAP	7253-64455	M18X1.5	.05
15FDL-CAP	7253-64465	M22X1.5	.15
18FDL-CAP	7253-64475	M26X1.5	.20
22FDL-CAP	7253-64485	M30X2.0	.30
28FDL-CAP	7253-64495	M36X2.0	.35
35FDL-CAP	7253-64505	M45X2.0	.60
42FDL-CAP	7253-64515	M52X2.0	.43

## Male DIN 24° Cone - Heavy Series Plug



Descr.	Prod. No.		Weight (Lbs.)
		"	
8MDH-PLUG	7253-64535	M16X1.5	.05
10MDH-PLUG	7253-64545	M18X1.5	.05
12MDH-PLUG	7253-64555	M20X1.5	.10
14MDH-PLUG	7253-64565	M22X1.5	.10
16MDH-PLUG	7253-64575	M24X1.5	.15
20MDH-PLUG	7253-64585	M30X2.0	.25
25MDH-PLUG	7253-64595	M36X2.0	.50
30MDH-PLUG	7253-64605	M42X2.0	.65
38MDH-PLUG	7253-64615	M52X2.0	1.10

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

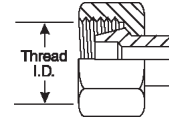
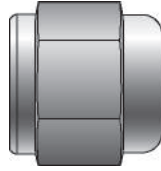
LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Female DIN 24° Cone - Heavy Series Cap



Descr.	Prod. No.		Weight (Lbs.)
		"	
8FDH-CAP	7253-64635	M16X1.5	.05
10FDH-CAP	7253-64645	M18X1.5	.05
12FDH-CAP	7253-64655	M20X1.5	.10
14FDH-CAP	7253-64665	M22X1.5	.15
16FDH-CAP	7253-64675	M24X1.5	.20
20FDH-CAP	7253-64685	M30X2.0	.35
25FDH-CAP	7253-64695	M36X2.0	.60
30FDH-CAP	7253-64705	M42X2.0	.75
38FDH-CAP	7253-64715	M52X2.0	1.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

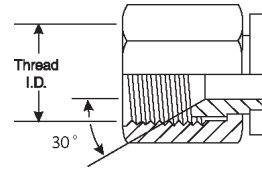
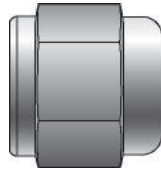
LIVE SWIVEL


BALL VALVES

ACCESSORIES

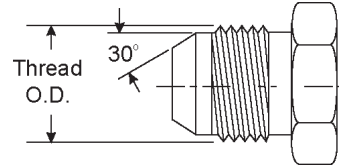
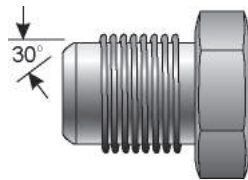
EQUIPMENT AND  
PARTS


## Female Japanese Industrial Standard Cap



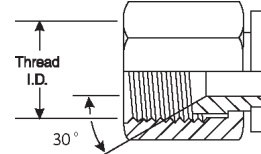
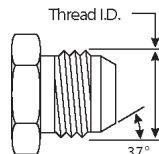
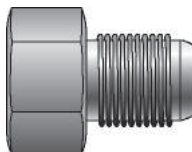
Descr.	Prod. No.		Weight (Lbs.)
		"	
4FJIS-CAP	7253-64875	1/4-19	.05
6FJIS-CAP	7253-64885	3/8-19	.10
8FJIS-CAP	7253-64895	1/2-14	.15
12FJIS-CAP	7253-64905	3/4-14	.30
16FJIS-CAP	7253-64915	1-11	.65
20FJIS-CAP	7253-64925	1 1/4-11	1.20
32FJIS-CAP	7253-64945	2-11	3.50


## Male Japanese Industrial Standard Plug



Descr.	Prod. No.		Weight (Lbs.)
		"	
4MJIS-PLUG	7253-64955	1/4-19	.05
6MJIS-PLUG	7253-64965	3/8-19	.10
8MJIS-PLUG	7253-64975	1/2-14	.15
12MJIS-PLUG	7253-64985	3/4-14	.35
16MJIS-PLUG	7253-64995	1-11	.55
20MJIS-PLUG	7253-65005	1 1/4-11	1.00
24MJIS-PLUG	7253-65015	1 1/2-11	1.50
32MJIS-PLUG	7253-65025	2-11	2.75

## Female Japanese Industrial Standard to Male JIC 37° Flare



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FJIS-4MJ	7253-65035	1/4-19	7/16-20	.05
6FJIS-4MJ	7253-65045	3/8-19	7/16-20	.15
6FJIS-6MJ	7253-65055	3/8-19	9/16-18	.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS


LIVE SWIVEL

BALL VALVES

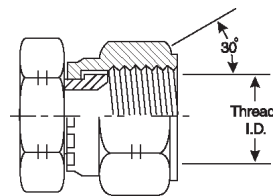
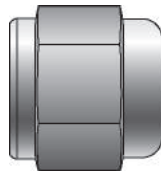
ACCESSORIES


EQUIPMENT AND  
PARTS

## Female Japanese Industrial Standard to Male JIC 37° Flare - Continued

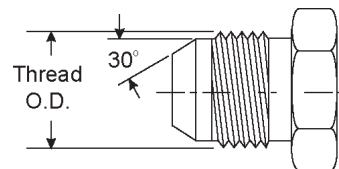
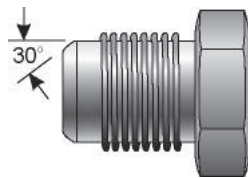
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
8FJIS-8MJ	7253-65075	1/2-14	3/4-16	.20
12FJIS-12MJ	7253-65085	3/4-14	1 1/16-12	.45
16FJIS-16MJ	7253-65095	1-11	1 5/16-12	.55
20FJIS-20MJ	7253-65105	1 1/4-11	1 5/8-12	1.10


## Female Komatsu Cap



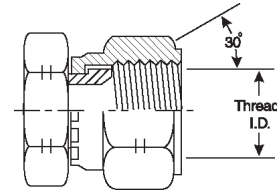
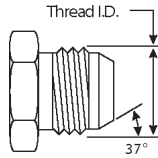
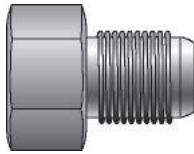
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FK-CAP	7253-65115	M14X1.5		.45
6FK-CAP	7253-65125	M18X1.5		.10
8FK-CAP	7253-65135	M22X1.5		.15
10FK-CAP	7253-65145	M24X1.5		.20
12FK-CAP	7253-65155	M30X1.5		.50
16FK-CAP	7253-65165	M33X1.5		.65

## Male Komatsu Plug



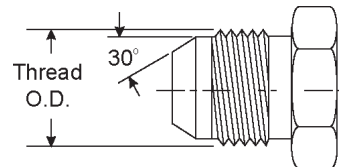
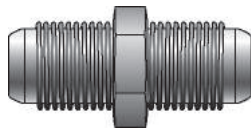
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MK-PLUG	7253-65175	M14X1.5		.05
6MK-PLUG	7253-65185	M18X1.5		.10
8MK-PLUG	7253-65195	M22X1.5		.15
10MK-PLUG	7253-65205	M24X1.5		.25
12MK-PLUG	7253-65215	M30X1.5		.55
16MK-PLUG	7253-65225	M33X1.5		.60

## Female Komatsu to Male JIC 37° Flare



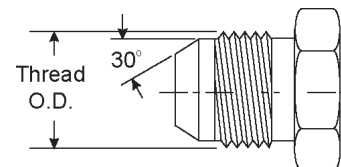
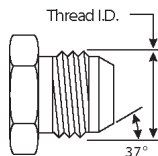
Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4FK-4MJ	7253-65235	M14X1.5	7/16-20	.05
6FK-6MJ	7253-65245	M18X1.5	9/16-18	.10
8FK-8MJ	7253-65255	M22X1.5	3/4-16	.20
10FK-10MJ	7253-65265	M24X1.5	7/8-14	.20
12FK-12MJ	7253-65275	M30X1.5	1 1/16-12	.60
16FK-16MJ	7253-65285	M33X1.5	1 5/16-12	.60

## Male Komatsu to Male Komatsu



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MK-4MK	7253-65765	M14X1.5		.05
6MK-6MK	7253-65775	M18X1.5		.15
8MK-8MK	7253-65785	M22X1.5		.25
10MK-10MK	7253-65795	M24X1.5		.30
12MK-12MK	7253-65805	M30X1.5		.55
16MK-16MK	7253-65815	M33X1.5		.75

## Male Komatsu to Male JIC 37° Flare



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MK-4MJ	7253-65825	M14X1.5	1/2-20	.05
6MK-6MJ	7253-65835	M18X1.5	9/16-18	.10
8MK-8MJ	7253-65845	M22X1.5	3/4-16	.20
10MK-10MJ	7253-65855	M24X1.5	7/8-14	.30
12MK-12MJ	7253-65865	M30X1.5	1 1/16-12	.45
16MK-16MJ	7253-65875	M33X1.5	1 5/16-12	.60

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

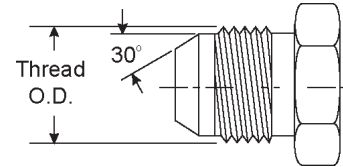
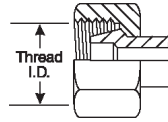
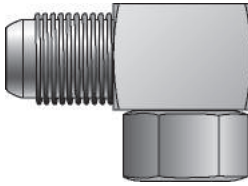
LIVE SWIVEL

BALL VALVES

ACCESSORIES

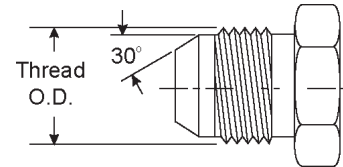
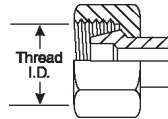
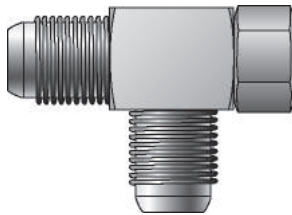
EQUIPMENT AND  
PARTS

## Male Komatsu to Female Komatsu - 90°



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MK-4FK90	7253-65945	M14X1.5	M14X1.5	.15
6MK-6FK90	7253-65965	M18X1.5	M18X1.5	.25
8MK-8FK90	7253-65975	M22X1.5	M22X1.5	.35
10MK-10FK90	7253-65985	M24X1.5	M24X1.5	.60
12MK-12FK90	7253-65995	M30X1.5	M30X1.5	.90
16MK-16FK90	7253-66005	M33X1.5	M33X1.5	1.00

## Male Komatsu to Female Komatsu to Male Komatsu - Tee



Descr.	Prod. No.			Weight (Lbs.)
		"	"	
4MK-4FK-4MK	7253-65885	M14X1.5	M14X1.5	.15
6MK-6FK-6MK	7253-65905	M18X1.5	M18X1.5	.30
8MK-8FK-8MK	7253-65915	M22X1.5	M22X1.5	.50
10MK-10FK-10MK	7253-65925	M24X1.5	M24X1.5	.80
12MK-12FK-12MK	7253-65935	M30X1.5	M30X1.5	1.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

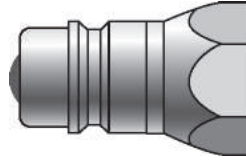
LIVE SWIVEL




BALL VALVES

ACCESSORIES

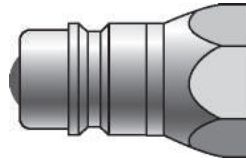
EQUIPMENT AND  
PARTS




## Male Ball Valve to Female Pipe



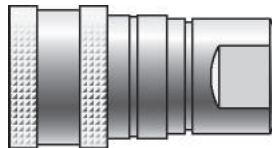
Descr.	Prod. No.				Weight (Lbs.)
		"			
4MQBA-4FP	7252-89315	1/4-18	4000	12000	.09
6MQBA-6FP	7252-89345	3/8-18	3000	9000	.19
8MQBA-8FP	7252-89325	1/2-14	3000	10500	.30
8MQBA-12FP	7252-89305	1/2-14	3000	10500	.28
12MQBA-12FP	7252-89685	3/4-14	4000	11000	.37




## Male Ball Valve to Female O-Ring Boss



Descr.	Prod. No.				Weight (Lbs.)
		"			
8MQBA-8FB	7252-89335	3/4-16	3000	10500	.28

## Female Ball Valve To Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
4FQBA-4FP	7252-89415	1/4-18	4000	12000	.28
6FQBADA-6FP	7252-89695	3/8-18	3000	9000	.52
8FQBA-8FP	7252-89425	1/2-14	3000	10500	.60
8FQBADA-8FP	7252-89445	1/2-14	3000	10500	.63
8FQBADA-12FP	7252-89705	1/2-14	3000	10500	.75
12FQBA-12FP	7252-89715	3/4-14	4000	11000	1.09

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

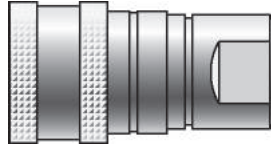
LIVE SWIVEL




BALL VALVES

ACCESSORIES

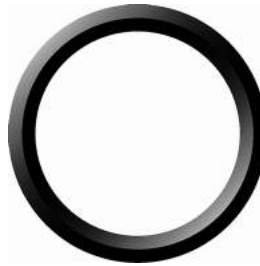
EQUIPMENT AND  
PARTS

## Female Ball Valve To Female O-Ring Boss



Descr.	Prod. No.				Weight (Lbs.)
8FQBA-8FB	7252-89435	3/4-16	3000	10500	.63

## O-Ring



Descr.	Prod. No.	Weight (Lbs.)
4QDAOR	7252-59415	.05
6QDAOR	7252-59695	.05
8QDAOR	7252-59425	.05
12QDAOR	7252-59715	.05

## QD Plug/Cap Combination



Descr.	Prod. No.	Weight (Lbs.)
4QDADP/C	7252-87685	.05
6QDADP/C	7252-87695	.05
8QDADP/C	7252-87705	.07

## QD Dust Plug



Descr.	Prod. No.	Weight (Lbs.)
4QDADP	7252-89465	.05
6QDADP	7252-89485	.01
8QDADP	7252-89475	.09

## QD Dust Cap



Descr.	Prod. No.	Weight (Lbs.)
4QDADC	7252-89565	.06
6QDADC	7252-89585	.04
8QDADC	7252-89575	.05

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

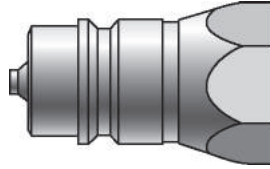
LIVE SWIVEL




BALL VALVES

ACCESSORIES

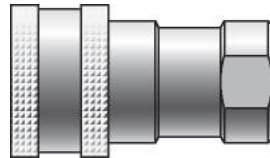
EQUIPMENT AND  
PARTS




## Male Poppet Valve to Female Pipe



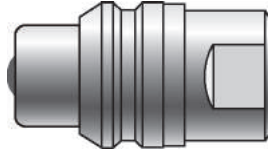
Descr.	Prod. No.				Weight (Lbs.)
		"			
4MQPA-4FP	7252-89725	1/4-18	3000	12000	.11
6MQPA-6FP	7252-89735	3/8-18	3000	12000	.18
8MQPA-8FP	7252-89365	1/2-14	4000	16000	.30
16MQPA-16FP	7252-89745	1-11 1/2	3000	12000	.60



## Female Poppet Valve to Female Pipe



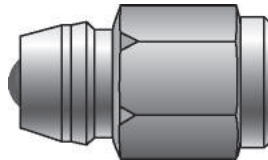
Descr.	Prod. No.				Weight (Lbs.)
		"			
4FQPA-4FP	7252-89755	1/4-18	3000	12000	.30
6FQPA-6FP	7252-89765	3/8-18	3000	12000	.57
8FQPA-8FP	7252-89775	1/2-14	4000	16000	.56
16FQPA-16FP	7252-89785	1-11 1/2	3000	12000	1.72



## Male Ball Valve to Female Pipe



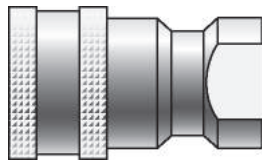
Descr.	Prod. No.			Weight (Lbs.)
		"		
8MQBAJD-8FP	7252-89355	1/2-14	3000	.27



## Male Ball Valve to Female O-Ring Boss



Descr.	Prod. No.			Weight (Lbs.)
		"		
8MQBAJD-8FB	7252-89375	3/4-16	3000	.28

## Female Ball Valve to Female Pipe



Descr.	Prod. No.			Weight (Lbs.)
		"		
8FQBAJD-8FP	7252-89455	1/2-14	3000	.75

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

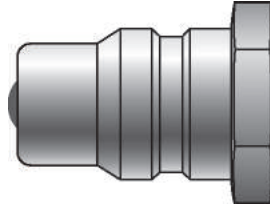
LIVE SWIVEL



BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Male Tip - Ball Valve to Female Pipe



Descr.	Prod. No.			Weight (Lbs.)
		"		
8MQBAIHC-8FP	7252-89385	1/2-14	2500	.37

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

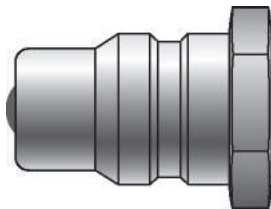
LIVE SWIVEL



BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

# Male Tip - Ball Valve to Female Pipe



Descr.	Prod. No.			Weight (Lbs.)
		"		
8MQBAJIC-8FP	7252-89395	1/2-14	3000	.28

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

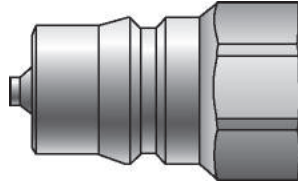
LIVE SWIVEL




BALL VALVES

ACCESSORIES

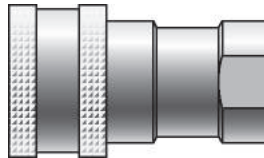
EQUIPMENT AND  
PARTS




## Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
4MQPI-4FP	7252-89015	1/4-18	7500	30000	.10
6MQPI-6FP	7252-89025	3/8-18	5000	20000	.15
8MQPI-8FP	7252-89035	1/2-14	5000	20000	.27
12MQPI-12FP	7252-89045	3/4-14	4000	16000	.44
16MQPI-16FP	7252-89055	1-11 1/2	4000	16000	.77

## Female Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
4FQPI-4FP	7252-89115	1/4-18	7500	30000	.31
6FQPI-6FP	7252-89125	3/8-18	5000	20000	.51
8FQPI-8FP	7252-89135	1/2-14	5000	20000	.91
12FQPI-12FP	7252-89145	3/4-14	4000	16000	1.77
16FQPI-16FP	7252-89155	1-11 1/2	4000	16000	2.54

## Backup Ring



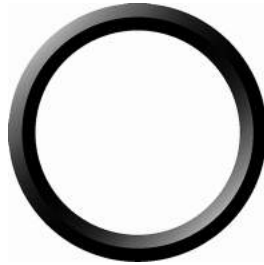
Descr.	Prod. No.	Weight (Lbs.)
4QDIBR	7252-49115	.05
6QDIBR	7252-49125	.05
8QDIBR	7252-49135	.05
12QDIBR	7252-49145	.05
16QDIBR	7252-49155	.05

## O-Ring

90 Durometer Hardness.

**Caution:** DO NOT USE these O-Rings with phosphate esters, diesters or phosphate ester emulsion hydraulic fluids. Instead, use O-Rings made of Viton, EPDM or CPE polymers or other materials compatible with the fluids.

These O-Rings are compounded from a Nitrile polymer for use with petroleum-base hydraulic fluids, water and glycol and oil-water emulsions.



Descr.	Prod. No.	Weight (Lbs.)
4QDIOR	7252-59115	.05
6QDIOR	7252-59125	.05
8QDIOR	7252-59135	.05
12QDIOR	7252-59145	.05
16QDIOR	7252-59155	.05

## QD Plug/Cap Combination



Descr.	Prod. No.	Weight (Lbs.)
4QDIDP/C	7252-87005	.05
6QDIDP/C	7252-87595	.05
8QDIDP/C	7252-87605	.08
12QDIDP/C	7252-87615	.15
16QDIDP/C	7252-87625	.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

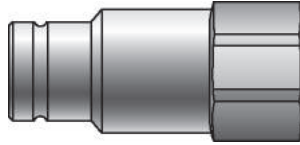
LIVE SWIVEL




BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

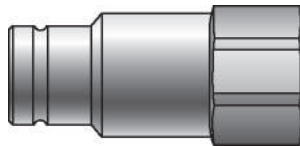
## Male Flush Face Valve to Female O-Ring Boss






Descr.	Prod. No.				Weight (Lbs.)
		"			
4MQFF-4FB	7252-87055	7/16-20	3000	12000	.25
6MQFF-8FB	7252-88025	3/4-16	3000	12000	.25
8CPMQFF-8FB*	7252-87445	3/4-16	3000	12000	1.00
8CPMQFF-10FB*	7252-87455	7/8-14	3000	12000	.90
8CPMQFF-12FB*	7252-87465	7/8-14	3000	12000	.85
8MQFF-8FB	7252-87065	3/4-16	3000	12000	.65
8MQFF-12FB	7252-87075	1 1/16-12	3000	12000	.60
10MQFF-12FB	7252-87085	1 1/16-12	3000	12000	.85
12MQFF-12FB	7252-87095	1 1/16-12	3000	12000	1.10
16MQFF-16FB	7252-87105	1 5/16-12	3000	12000	1.60

\*Connect-under-pressure coupler.

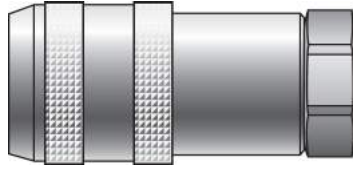
## Male Flush Face Valve to Female Pipe






Descr.	Prod. No.				Weight (Lbs.)
		"			
4MQFF-4FP	7252-87015	1/4-18	3000	12000	.20
6MQFF-6FP	7252-88005	3/8-18	3000	12000	.25
6MQFF-8FP	7252-88015	1/2-14	3000	12000	.29
8CPMQFF-8FP*	7252-87435	1/2-14	3000	12000	1.00
8MQFF-8FP	7252-87025	1/2-14	3000	12000	.70
12MQFF-12FP	7252-87035	3/4-14	3000	12000	1.15
16MQFF-16FP	7252-87045	1-11 1/2	3000	12000	1.65

\*Connect-under-pressure coupler.

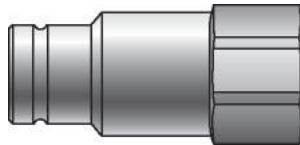
## Female Flush Face Valve to Female O-Ring Boss






Descr.	Prod. No.				Weight (Lbs.)
		"			
4FQFF-4FB	7252-87195	7/16-20	3000	12000	.40
6FQFF-8FB	7252-88055	3/4-16	3000	12000	.44
8CPFQFF-8FB*	7252-87485	3/4-16	3000	12000	1.25
8CPFQFF-10FB*	7252-87495	7/8-14	3000	12000	1.25
8CPFQFF-12FB*	7252-87505	1 1/6-12	3000	12000	1.15
8FQFF-8FB	7252-87205	3/4-16	3000	12000	1.05
8FQFF-12FB	7252-87215	1 1/6-12	3000	12000	1.05
10FQFF-12FB	7252-87225	1 1/6-12	3000	12000	1.20
12FQFF-12FB	7252-87235	1 1/6-12	3000	12000	1.75
16FQFF-16FB	7252-87245	1 5/16-12	3000	12000	2.85

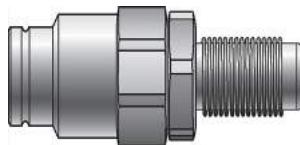
\*Connect-under-pressure coupler.




## Male Flush Face Valve to Female British Pipe Parallel



Descr.	Prod. No.				Weight (Lbs.)
		"			
4MQFF-4FBPP	7252-87115	1/4-19	4568	18270	.20
8MQFF-8FBPP	7252-87125	1/2-14	3625	14500	.65
12MQFF-12FBPP	7252-87135	3/4-14	3625	14500	1.15
16MQFF-16FBPP	7252-87145	1-11	2900	11600	1.60

## Male Flush Face Valve to JIC 37° Flare Bulkhead



Descr.	Prod. No.				Weight (Lbs.)
		"			
8MQFF-10BKHD	7252-87395	7/8-14	3625	14500	.65
10MQFF-12BKHD	7252-87405	1 1/16-12	3625	14500	.95

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

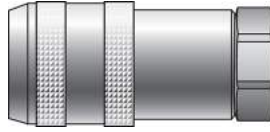
LIVE SWIVEL




BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

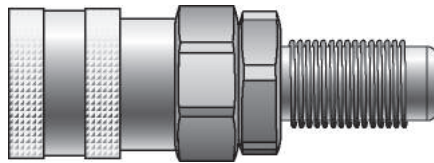
## Female Flush Face Valve to Female Pipe






Descr.	Prod. No.				Weight (Lbs.)
		"			
4FQFF-4FP	7252-87155	1/4-18	3000	12000	.40
6FQFF-6FP	7252-88035	3/8-18	3000	12000	.48
6FQFF-8FP	7252-88045	1/2-14	3000	12000	.44
8CPFQFF-8FP*	7252-87475	1/2-14	3000	12000	1.20
8FQFF-8FP	7252-87165	1/2-14	3000	12000	1.15
12FQFF-12FP	7252-87175	3/4-14	3000	12000	1.75
16FQFF-16FP	7252-87185	1-11 1/2	3000	12000	2.90

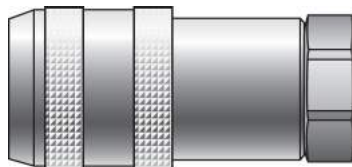
\*Connect-under-pressure coupler.




## Female Flush Face to JIC 37° Flare Bulkhead



Descr.	Prod. No.				Weight (Lbs.)
		"			
8FQFF-10BKHD	7252-87415	7/8-14	3625	14500	1.10
10FQFF-12BKHD	7252-87425	1 1/16-12	3625	14500	1.25

## Female Flush Face Valve to Female British Pipe Parallel



Descr.	Prod. No.				Weight (Lbs.)
		"			
8FQFF-8FBPP	7252-87265	1/2-14	3625	14500	1.10
12FQFF-12FBPP	7252-87275	3/4-14	3625	14500	1.75
16FQFF-16FBPP	7252-87285	1-11	2900	11600	2.90

## Dust Plug/Cap Combination



Descr.	Prod. No.	Weight (Lbs.)
4QDFFDP/C	7252-87535	.02
6QDFFDP/C	7252-87545	.02
8QDFFDP/C	7252-87555	.02
10QDFFDP/C	7252-87565	.02
12QDFFDP/C	7252-87575	.20
16QDFFDP/C	7252-87585	.20

## Dust Plug



Descr.	Prod. No.	Weight (Lbs.)
4QDFFDP	7252-87295	.05
6QDFFDP	7252-88065	.03
8QDFFDP	7252-87305	.10
10QDFFDP	7252-87315	.01
12QDFFDP	7252-87325	.01
16QDFFDP	7252-87335	.01

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Dust Cap



Descr.	Prod. No.	Weight (Lbs.)
4QDFFDC	7252-87345	.01
6QDFFDC	7252-88075	.03
8QDFFDC	7252-87355	.01
10QDFFDC	7252-87365	.01
12QDFFDC	7252-87375	.01
16QDFFDC	7252-87385	.01

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

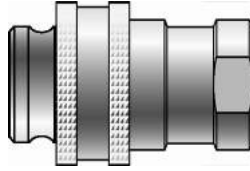
LIVE SWIVEL




BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

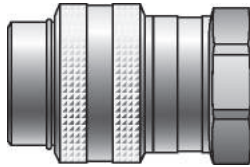
## Male Flush Face Valve






Descr.	Prod. No.				Weight (Lbs.)
		"			
6MQFFH-4FP	7252-88085	3/8-18	10000	20000	.40
6MQFFH-6FP	7252-88095	3/8-18	10000	20000	.50
8MQFFH-8FP	7252-88145	1/2-14	5000	10000	.63
12MQFFH-12FP	7252-88155	3/4-14	5000	10000	1.01
16MQFFH-16FP	7252-88165	1-11 1/2	5000	10000	1.06
16MQFFH-16FPA*	7252-88325	1-11 1/2	5000	10000	1.61

\*This coupling features a higher working pressure and flatter face for minimization of fluid loss.

## Female Flush Face Valve



Descr.	Prod. No.				Weight (Lbs.)
		"			
6FQFFH-4FP	7252-88105	3/8-18	10000	20000	.68
6FQFFH-6FP	7252-88115	3/8-18	10000	20000	.68
8FQFFH-8FP	7252-88175	1/2-14	5000	10000	1.20
12FQFFH-12FP	7252-88185	3/4-14	5000	10000	1.85
16FQFFH-16FP	7252-88195	1-11 1/2	5000	10000	3.68
16FQFFH-16FPA*	7252-88335	1-11 1/2	5000	10000	2.80

\*This coupling features a higher working pressure and flatter face for minimization of fluid loss.

## QD Plug/Cap Combination



Descr.	Prod. No.	Weight (Lbs.)
6QDFFHDP/C	7252-87715	.10
8QDFFHDP/C	7252-87725	.10
12QDFFHDP/C	7252-87735	.20

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## QD Plug/Cap Combination - Continued

Descr.	Prod. No.	Weight (Lbs.)
16QDFFHDP/C	7252-87745	.24

## QD Dust Cap



Descr.	Prod. No.	Weight (Lbs.)
6QDFFHDC	7252-88135	.05
8QDFFHDC	7252-88235	.05
12QDFFHDC	7252-88245	.09
16QDFFHDC	7252-88255	.11

## QD Dust Plug



Descr.	Prod. No.	Weight (Lbs.)
6QDFFHDP	7252-88125	.08
8QDFFHDP	7252-88205	.10
12QDFFHDP	7252-88215	.13
16QDFFHDP	7252-88225	.17

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

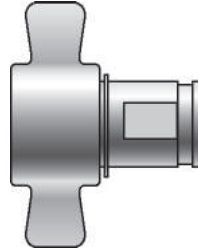
LIVE SWIVEL




BALL VALVES

ACCESSORIES

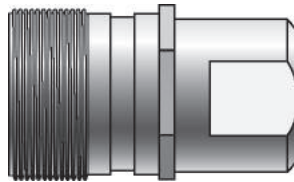
EQUIPMENT AND  
PARTS




## Female (Brass) - Wing Nut (Cast Iron)



Descr.	Prod. No.				Weight (Lbs.)
		"			
12FQW-12FP	7252-88585	3/4-14	3000	9000	1.21
16FQW-16FP	7252-88595	1-11 1/2	3000	9000	1.80
20FQW-20FP	7252-88605	1 5/8-12	2750	8250	2.75
24FQW-24FP	7252-88615	1 7/8-12	2500	7500	3.54

## Male (Brass) - Less Flange



Descr.	Prod. No.				Weight (Lbs.)
		"			
12MQW-12FP	7252-88525	3/4-14	3000	9000	.74
16MQW-16FP	7252-88535	1-11 1/2	3000	9000	1.22
20MQW-20FP	7252-88545	1 5/8-12	2750	8250	1.65
24MQW-24FP	7252-88555	1 7/8-12	2500	7500	2.50

## Dust Cap



Descr.	Prod. No.	Weight (Lbs.)
12QWDC	7252-88705	.34
16QWDC	7252-88715	.38
20QWDC	7252-88725	.39
24QWDC	7252-88735	.60

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



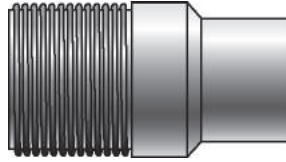
# Dust Plug






Descr.	Prod. No.	Weight (Lbs.)
12QWDP	7252-88645	.65
16QWDP	7252-88655	.77
20QWDP	7252-88665	1.06
24QWDP	7252-88675	1.86

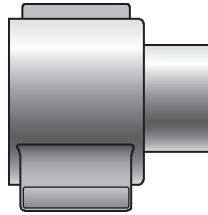
HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS




## Male Acme Flat Threads to Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
12MQWH-12FP	7252-88745	3/4-14	5000	20000	1.06
16MQWH-16FP	7252-88755	1-11 1/2	5000	20000	2.45
20MQWH-20FP	7252-88765	1 1/4-11 1/2	5000	15000	4.25
24MQWH-24FP	7252-88775	1 1/2-11 1/2	5000	15000	7.15
32MQWH-32FP	7252-88785	2-11 1/2	5000	15000	12.86

## Female Wing Nut to Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
12FQWH-12FP*	7252-88795	3/4-14	5000	20000	1.01
16FQWH-16FP	7252-88805	1-11 1/2	5000	20000	.19
20FQWH-20FP	7252-88815	1 1/4-11 1/2	5000	15000	.31
24FQWH-24FP	7252-88825	1 1/2-11 1/2	5000	15000	.50
32FQWH-32FP	7252-88835	2-11 1/2	5000	15000	16.20

\*Features a hex nut on the coupler.

## Dust Cap



Descr.	Prod. No.	Weight (Lbs.)
12QWHDC	7252-88895	.45
16QWHDC	7252-88905	.06

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Dust Cap - Continued

Descr.	Prod. No.	Weight (Lbs.)
20QWHDC	7252-88915	.09
24QWHDC	7252-88925	2.60
32QWHDC	7252-88935	.17

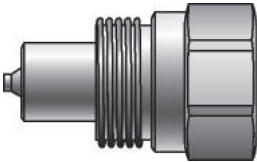
## Dust Plug






Descr.	Prod. No.	Weight (Lbs.)
12QWHDP	7252-88845	.52
16QWHDP	7252-88855	1.44
20QWHDP	7252-88865	.10
24QWHDP	7252-88875	2.80
32QWHDP	7252-88885	.16

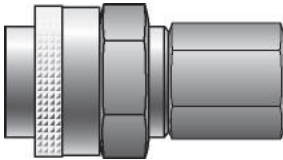
# Male Poppet Valve to Female Pipe




Recommended for MobileCrimp® crimper-to-pump connection.



Descr.	Prod. No.				Weight (Lbs.)
		"			
6MQFFVH-6FP	7252-88315	3/8-18	14500	28000	.30

# Female Screw to Connect to Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
6FQFFVH-6FP	7252-88305	3/8-18	14500	28000	.60

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

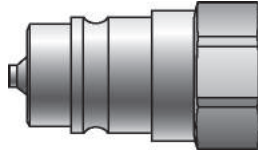
LIVE SWIVEL




BALL VALVES

ACCESSORIES

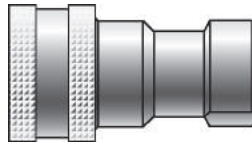
EQUIPMENT AND  
PARTS




## Male Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
4MQP-4FP	7252-89905	1/4-18	4600	18400	.09
6MQP-6FP	7252-89915	3/8-18	4600	18400	.14
8MQP-8FP	7252-89925	1/2-14	4000	16000	.50
12MQP-12FP	7252-89935	3/4-14	4000	16000	.48
16MQP-16FP	7252-89945	1-11 1/2	3000	12000	.62

## Female Poppet Valve to Female Pipe



Descr.	Prod. No.				Weight (Lbs.)
		"			
4FQP-4FP	7252-89955	1/4-18	4600	18400	.25
6FQP-6FP	7252-89965	3/8-18	4600	18400	.38
8FQP-8FP	7252-89975	1/2-14	4000	16000	.56
12FQP-12FP	7252-89985	3/4-14	4000	16000	1.01
16FQP-16FP	7252-89995	1-11 1/2	3000	12000	1.51

## O-Ring



Descr.	Prod. No.	Weight (Lbs.)
4QDOR	7252-59955	.05
6QDOR	7252-59965	.05
8QDOR	7252-59975	.05
12QDOR	7252-59985	.05
16QDOR	7252-59995	.05

## Backup Ring



Descr.	Prod. No.	Weight (Lbs.)
4QDBR	7252-49955	.05
6QDBR	7252-49965	.05
8QDBR	7252-49975	.05
12QDBR	7252-49985	.05
16QDBR	7252-49995	.05

## QD Dust Plug

Descr.	Prod. No.	Weight (Lbs.)
8QDDP	7252-89825	.04

## QD Dust Cap

Descr.	Prod. No.	Weight (Lbs.)
8QDDC	7252-89875	.04

## QD Plug/Cap Combination



Descr.	Prod. No.	Weight (Lbs.)
4QDDP/C	7252-87635	.05
6QDDP/C	7252-87645	.04
8QDDP/C	7252-87655	.10
12QDDP/C	7252-87665	.10
16QDDP/C	7252-87675	.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

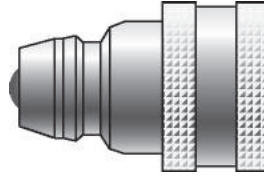
LIVE SWIVEL

BALL VALVES

ACCESSORIES

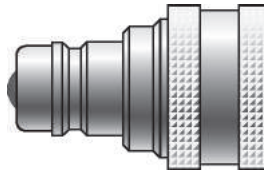
EQUIPMENT AND  
PARTS

## John Deere Old Style to ISO Style



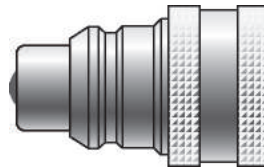
Descr.	Prod. No.		Weight (Lbs.)
8MJD-8FISO	7252-89615	3000	.63


## ISO Style to John Deere Old Style



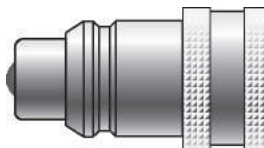
Descr.	Prod. No.		Weight (Lbs.)
8MISO-8FJD	7252-89625	3000	.59


## Int'l Harvester to John Deere Old Style



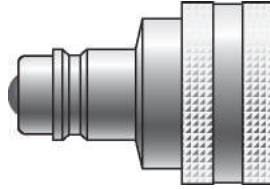
Descr.	Prod. No.		Weight (Lbs.)
8MIHC-8FJD	7252-89635	3000	.72

## Int'l Harvester Old Style to ISO Style



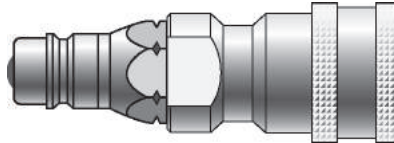
Descr.	Prod. No.		Weight (Lbs.)
8MIHC-8FISO	7252-89645	3000	.63


## ISO Style to Int'l Harvester Old Style



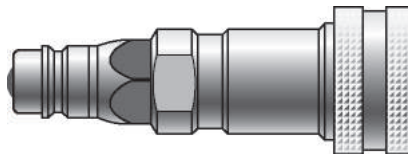
Descr.	Prod. No.		Weight (Lbs.)
8MISO-8FIHC	7252-89655	3000	.69


## ISO Style to John Deere Old Style - (Double Shutoff)



Descr.	Prod. No.		Weight (Lbs.)
8MISO-8FJDDSO	7252-89665	3000	1.06

## ISO Style to Int'l Harvester Old Style - (Double Shutoff)



Descr.	Prod. No.		Weight (Lbs.)
8MISO-8FIHCDSO	7252-89675	3000	1.13

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

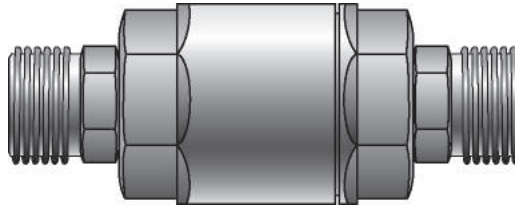
EQUIPMENT AND  
PARTS



NOTES

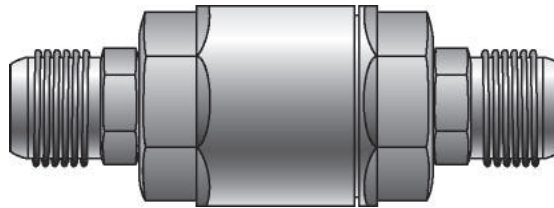
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## Male BSPP to Male BSPP



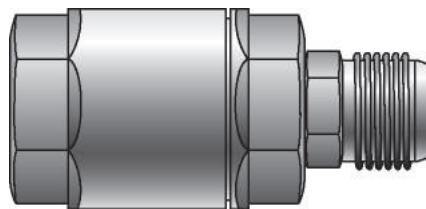
Descr.	Prod. No.				Hex Shank	Hex Body	Overall Dimension	Diameter	Weight (Lbs.)
			"	"					
8BSPP-8BSPP-LX	7252-12415	6000	1/2-14	1/2-14	3/4	1 5/16	3.44	1.53	.90
12BSPP-12BSPP-LX	7252-12425	6000	3/4-14	3/4-14	15/16	1 5/8	4.52	2.00	1.87
16BSPP-16BSPP-LX	7252-12435	6000	1-11	1-11	1 3/16	1 7/8	5.06	2.22	2.62

## Male JIC to Male JIC



Descr.	Prod. No.				Hex Shank	Hex Body	Overall Dimension	Diameter	Weight (Lbs.)
			"	"					
6MJ-6MJ-LX	7252-12345	6000	9/16-18	9/16-18	1/2	1	2.91	1.25	.47
8MJ-8MJ-LX	7252-12355	6000	3/4-16	3/4-16	11/16	1 1/4	3.88	1.50	.90
12MJ-12MJ-LX	7252-12365	6000	1 1/16-12	1 1/16-12	15/16	1 5/8	4.94	2.00	1.92
16MJ-16MJ-LX	7252-12375	6000	1 5/16-12	1 5/16-12	1 3/16	1 7/8	5.56	2.22	2.84
20MJ-20MJ-LX	7252-12385	5500	1 5/8-12	1 5/8-12	1 1/2	2 3/8	6.06	2.75	4.35
24MJ-24MJ-LX	7252-12395	4500	1 7/8-12	1 7/8-12	1 3/4	2 1/2	6.44	3.00	5.09
32MJ-32MJ-LX	7252-12405	3000	2 1/2-12	2 1/2-12	2 5/16	3 1/4	7.69	3.88	9.91

## Male JIC to Female JIC/Boss



Descr.	Prod. No.				Hex Shank	Hex Body	Overall Dimension	Diameter	Weight (Lbs.)
			"	"					
8MJ-8FJ/FB-LX	7252-12285	6000	3/4-16	3/4-16	11/16	1 1/4	3.31	1.50	.90
12MJ-12FJ/FB-LX	7252-12295	6000	1 1/16-12	1 1/16-12	15/16	1 5/8	4.12	2.00	2.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS



LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

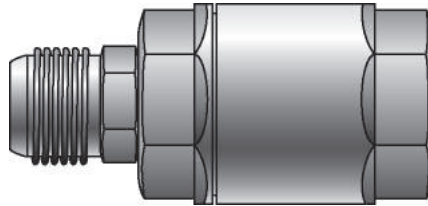
## Male JIC to Female JIC/Boss - Continued



Descr.	Prod. No.				Hex Shank	Hex Body	Overall Dimension	Diameter	Weight (Lbs.)
			"	"					
16MJ-16FJ/FB-LX	7252-12305	6000	1 5/16-12	1 5/16-12	1 3/16	1 7/8	4.63	2.22	2.84
20MJ-20FJ/FB-LX	7252-12315	5500	1 5/8-12	1 5/8-12	1 1/2	2 3/8	5.12	2.75	4.57
24MJ-24FJ/FB-LX	7252-12325	4500	1 7/8-12	1 7/8-12	1 3/4	2 1/2	5.34	3.00	5.29
32MJ-32FJ/FB-LX	7252-12335	3000	2 1/2-12	2 1/2-12	2 5/16	3 1/4	6.50	3.88	9.59

## JIC Seal Kit

Descr.	Prod. No.	Weight (Lbs.)
6JIC SWIVEL SEAL KIT	7252-12155	.02
8JIC SWIVEL SEAL KIT	7252-12165	.02
12JIC SWIVEL SEAL KIT	7252-12175	.03
16JIC SWIVEL SEAL KIT	7252-12185	.04
20JIC SWIVEL SEAL KIT	7252-12195	.04
24JIC SWIVEL SEAL KIT	7252-12205	.04
32JIC SWIVEL SEAL KIT	7252-12215	.05

## Male JIC to Female Pipe



Descr.	Prod. No.				Hex Shank	Hex Body	Overall Dimension	Diameter	Weight (Lbs.)
			"	"					
8MJ-8FP-LX	7252-12255	6000	3/4-16	1/2-14	11/16	1 1/4	3.31	1.50	.90
12MJ-12FP-LX	7252-12265	6000	11/16-12	3/4-14	15/16	1 5/8	4.19	2.00	2.00
16MJ-16FP-LX	7252-12275	6000	1 5/16-12	1-11 1/2	1 3/16	1 7/8	4.88	2.22	2.70

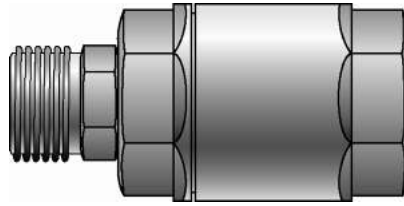
## ORS Seal Kit



Descr.	Prod. No.	Weight (Lbs.)
12ORS LIVE SWIVEL SEAL KIT	7252-12235	.03
16ORS LIVE SWIVEL SEAL KIT	7252-12245	.04

## ORS/BSPP Seal Kit

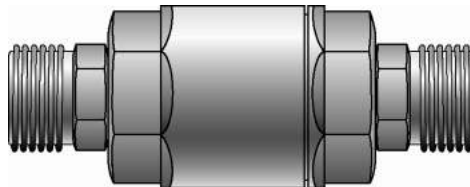
Descr.	Prod. No.	Weight (Lbs.)
8ORS/8BSPP LIVE SWVL SEAL KIT	7252-12225	.02



## Male ORFS to Female ORFS



Descr.	Prod. No.				Hex Shank	Hex Body	Overall Dimension	Diameter	Weight (Lbs.)
			"	"					
12MFFOR-12FFORX-LX	7252-12445	6000	3/4-14	3/4-14	1 1/16	1 3/4	3.86	2.09	2.06
16MFFOR-16FFORX-LX	7252-12455	6000	1-11	1-11	1 5/16	2	4.38	2.31	2.80

## Male ORFS to Male ORFS



Descr.	Prod. No.				Hex Shank	Hex Body	Overall Dimension	Diameter	Weight (Lbs.)
			"	"					
8MFFOR-8MFFOR-LX	7252-12465	6000	1/2-14	1/2-14	3/4	15/16	3.50	1.53	.90
12MFFOR-12MFFOR-LX	7252-12475	6000	3/4-14	3/4-14	1 1/16	1 3/4	4.52	2.09	2.28
16MFFOR-16MFFOR-LX	7252-12485	6000	1-11	1-11	1 5/16	2	5.12	2.31	3.15

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

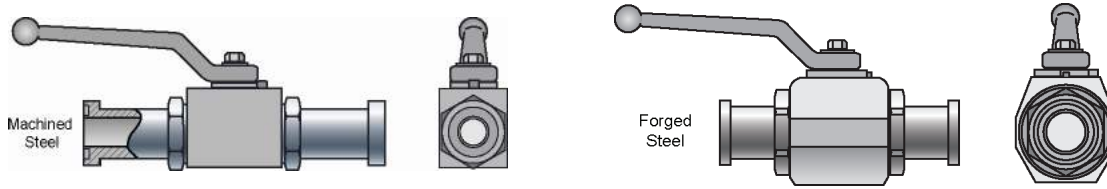
ACCESSORIES

EQUIPMENT AND  
PARTS

NOTES

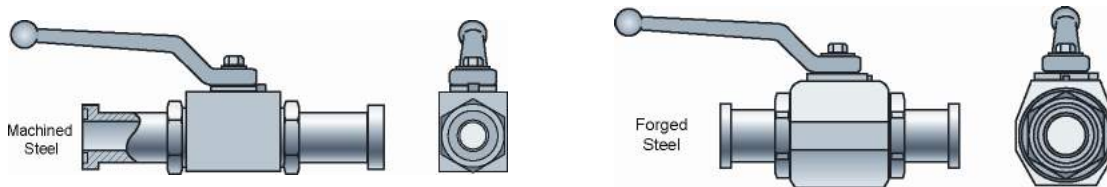
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## Code 61 O-Ring Flange



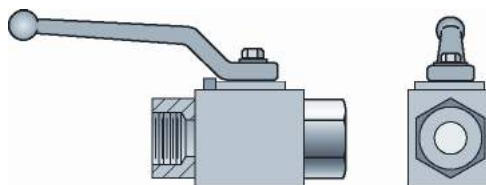
Descr.	Prod. No.		Nom. Flg. Size		Weight (Lbs.)
		"	"		
8FL-8FLBV	7317-00215	1/2	1/2	3000	1.85
12FL-12FLBV	7317-00225	3/4	3/4	3000	3.90
16FL-16FLBV	7317-00235	1	1	3000	5.40
20FL-20FLBV	7317-00245	1 1/4	1 1/4	3000	8.85
24FL-24FLBV	7317-00255	1 1/2	1 1/2	3000	10.35
32FL-32FLBV	7317-00265	2	2	3000	15.40

## Code 62 O-Ring Flange



Descr.	Prod. No.		Nom. Flg. Size		Weight (Lbs.)
		"	"		
8FLH-8FLHBV	7317-00275	1/2	1/2	6000	1.90
12FLH-12FLHBV	7317-00285	3/4	3/4	6000	4.05
16FLH-16FLHBV	7317-00295	1	1	6000	5.95
20FLH-20FLHBV	7317-00305	1 1/4	1 1/4	6000	9.90
24FLH-24FLHBV	7317-00315	1 1/2	1 1/2	6000	12.15
32FLH-32FLHBV	7317-00325	2	2	6000	22.45

## Female O-Ring Boss



Descr.	Prod. No.				Weight (Lbs.)
		"	"		
4FB-4FBBV	7317-00075	1/4	7/16-20	7350	.80
6FB-6FBBV	7317-00085	3/8	9/16-18	7350	1.20
8FB-8FBBV	7317-00095	1/2	3/4-16	7350	1.45
12FB-12FBBV	7317-00105	3/4	1 1/16-12	5880	3.35

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL




BALL VALVES

ACCESSORIES

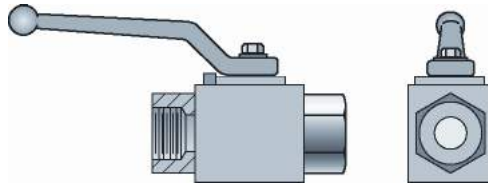
EQUIPMENT AND  
PARTS




## Two Way Block Style

### Female O-Ring Boss - Continued

Descr.	Prod. No.				Weight (Lbs.)
		"	"		
16FB-16FBBV	7317-00115	1	1 5/16-12	5145	4.55

### Female Pipe NPTF



Descr.	Prod. No.				Weight (Lbs.)
		"	"		
4FP-4FPBV	7317-00015	1/4	1/4	7350	.80
6FP-6FPBV	7317-00025	3/8	3/8	7350	1.20
8FP-8FPBV	7317-00035	1/2	1/2	7350	1.45
12FP-12FPBV	7317-00045	3/4	3/4	5880	3.35
16FP-16FPBV	7317-00055	1	1	5145	4.55
20FP-16FPBV	7317-00065	1	1 1/4	5145	4.85

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

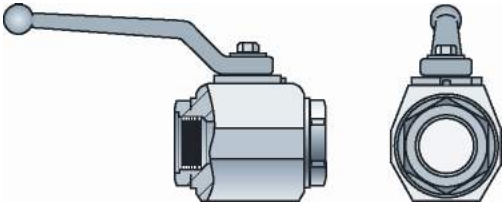
LIVE SWIVEL




BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

# Female Pipe NPTF



Descr.	Prod. No.				Weight (Lbs.)
		"	"	"	
20FP-20FPBV	7317-00125	1 1/4	1 1/4	6175	7.55
24FP-24FPBV	7317-00135	1 1/2	1 1/2	6175	8.50
32FP-32FPBV	7317-00145	2	2	6175	15.50

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

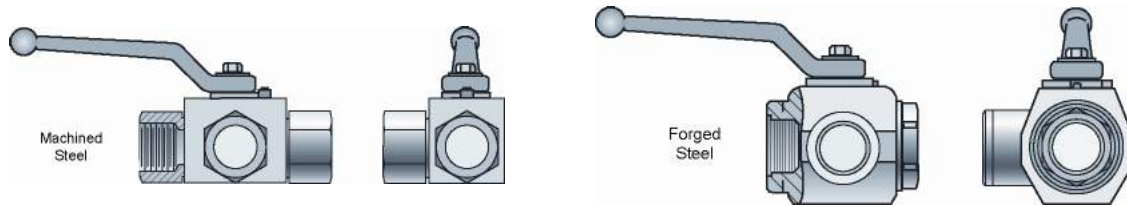
ACCESSORIES

EQUIPMENT AND  
PARTS



## Three Way Block Style

### Female Pipe NPTF



Descr.	Prod. No.				Weight (Lbs.)
		"	"		
4FP-4FP-4FPBV	7317-00155	1/4	1/4	5880	.85
6FP-6FP-6FPBV	7317-00165	3/8	3/8	5880	1.30
8FP-8FP-8FPBV	7317-00175	1/2	1/2	5145	1.55
12FP-12FP-12FPBV	7317-00185	3/4	3/4	5145	3.50
16FP-16FP-16FPBV	7317-00195	1	1	5145	4.85
20FP-20FP-20FPBV	7317-00205	1 1/4	1 1/4	5145	9.25

### Ball Valve Lock Out Kits

Descr.	Prod. No.	Weight (Lbs.)
1/4" THRU 1/2" BV LOCK OUT KIT	7317-00335	.05
3/4" THRU 1" BV LOCK OUT KIT	7317-00345	.15
1 1/4" THRU 2" BV LOCK OUT KIT	7317-00355	.25

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS


## LifeGuard® 3000, 4000 and 5000



Descr.	Prod. No.	A Inside Flat	B Sleeve I.D.	Weight (Lbs.)
		"	"	
14LG3K	7277-1850	1.11	.71	.07
14LG4K	7277-1960	1.38	.88	.10
14LG5K	7277-1950	1.38	.88	.96
16LG3K	7277-1851	1.42	.91	.08
16LG4K	7277-1961	1.62	1.03	.11
16LG5K	7277-1951	1.62	1.03	.11
20LG3K	7277-1852	1.67	1.06	.09
20LG4K	7277-1962	1.91	1.22	.13
20LG5K	7277-1952	1.91	1.22	.13
22LG3K	7277-1853	2.13	1.35	.09
22LG4K	7277-1963	1.98	1.26	.15
22LG5K	7277-1953	2.13	1.35	.15
26LG3K	7277-1854	2.36	1.50	.18
26LG4K	7277-1964	2.50	1.59	.17
26LG5K	7277-1954	2.50	1.59	.17
32LG3K	7277-1855	2.78	1.99	.20
32LG4K	7277-1965	2.78	1.99	.19

## LifeGuard® Clamp Collars - Stainless Steel



Descr.	Prod. No.		Weight (Lbs.)
		"	
6SC-4-SS	7334-48535	1.15	.01
8SC-4-SS	7334-48545	1.40	.06
10SC-4-SS	7334-48605	1.62	.14
12SC-4-SS	7334-48615	1.87	.10
16SC-4-SS	7334-48665	2.37	.05

## LifeGuard® Tools

Prod. No.	Descr.	Weight (Lbs.)
7484-1600	LifeGuard Sleeve Guide Table	.25
7482-1604	LifeGuard Sleeve Bullets -4, -6, -8	.23

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL


BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Clamp Collar for Nylon Sleeve and LifeGuard® Sleeve



Descr.	Prod. No.		Weight (Lbs.)
		"	
4SC1	7334-60035	.86	.03
4SC-1 XBULK	7334-6003	.86	.03
4SC-2 XBULK	7334-6001	.81	.01
6SC-1	7334-60125	1.0	.02
6SC-1 XBULK	7334-6012	1.0	.02
6SC-3	7334-60145	1.05	.02
6SC-3 XBULK	7334-6014	1.05	.02
6SC-4	7334-60155	1.15	.02
6SC-4 XBULK	7334-6015	1.15	.02
8PC-SC	7334-60315	1.18	.02
8SC-1 XBULK	7334-6031	1.18	.02
8SC-4	7334-60555	1.62	.02
8SC-4 XBULK	7334-6055	1.62	.02
10PC-SC	7334-60515	1.26	.03
10SC-1	7334-60545	1.40	.02
10SC-1 XBULK	7334-6054	1.40	.01
10SC-2 XBULK	7334-6051	1.26	.03
10SC-4 XBULK	7334-6056	2.37	.03
10SC-4	7334-60565	2.37	.03
12SC-1	7334-60755	1.62	.03
12SC-1 XBULK	7334-6075	1.62	.03
12SC-2	7334-60715	1.45	.03
12SC-2 XBULK	7334-6071	1.45	.03
12SC-4	7334-60575	1.87	.04
12SC-4 XBULK	7334-6057	1.87	.04
16SC-1	7334-60845	2.06	.04
16SC-1 XBULK	7334-6084	2.06	.04
16SC-4	7334-60585	1.40	.04
16SC-4 XBULK	7334-6058	1.40	.04

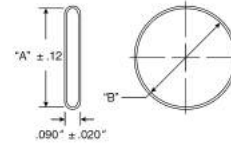
## Nylon Protective Sleeve

Do not use the Nylon Sleeve where ambient temperatures exceed 250°F.

**Description:** Gates® Nylon Sleeves perform a dual role: (1) they provide excellent abrasion resistance to protect individual hose; and (2) they can be used to bundle several hose assemblies together for maximum protection. Downtime and maintenance costs are reduced. These Nylon Sleeves are unique because they form an extra protective layer against abrasive forces. Specifically, thousands of tiny Nylon filaments, woven into the texturized yarn, "friz" into a self-renewing shield that is extremely resistant to severe abrasion. This nylon sleeving has MSHA flame-resistance approval. Add 1/8" for installation.



Determining the Size of a Sleeve  
 $B = \text{Nominal I.D.} = "A" \times 2 \div 3.14$



Descr.	Prod. No.	A Inside Flat	B Sleeve I.D.	Weight (Lbs.)
		"	"	
HG-10	7277-1067	1.07	.68	.06
HG-14	7277-1010	1.42	.90	.04
HG-16	7277-1011	1.67	1.06	.05
HG-20	7277-1012	1.92	1.22	.06
HG-24	7277-1013	2.24	1.42	.06
HG-26	7277-1377	2.50	1.59	.07
HG-28	7277-1014	2.85	1.81	.08
HG-32	7277-1015	3.44	2.19	.10
HG-38	7277-1016	3.74	2.38	.10
HG-42	7277-1018	4.12	2.62	.09
HG-46	7277-1024	4.53	2.88	.10
HG-64	7277-1276	6.91	4.40	.21

**NOTE:** Be sure to heat the cut edges of the Nylon Hose Sleeve. You may have to use a banded clamp or nylon tie to fasten the sleeve securely.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

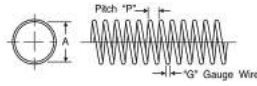
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Plated Wire Spring Guards

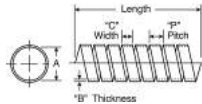
**Description:** For proper spring guard selection compare the outside diameter of the hose to the inside diameter of the spring guard. Allow 1/32" for installation.



Descr.	Prod. No.	A (+.015)	G	P	Weight (Lbs.)
		"	"	"	
35/64" RSG-25FT	7277-0521	.550	14 (.080)	7/32	.16
11/16" RSG-25FT	7277-0535	.682	16 (.065)	7/32	.41
47/64" RSG-25FT	7277-0511	.738	14 (.080)	7/32	.22
49/64" RSG-25FT	7277-0510	.676	14 (.080)	7/32	.19
55/64" RSG-25FT	7277-0512	.852	14 (.080)	7/32	.23
59/64" RSG-25FT	7277-0513	.915	14 (.080)	7/32	.27
63/64" RSG-25FT	7277-0514	.977	14 (.080)	7/32	.26
1 3/64" RSG-25FT	7277-0515	1.040	14 (.080)	7/32	.30
1 1/8" RSG-25FT	7277-0522	1.122	14 (.080)	7/32	.15
1 9/32" RSG-25FT	7277-0516	1.278	11 (.120)	11/32	.50
1 11/32" RSG-25FT	7277-0517	1.340	11 (.120)	11/32	.55
1 37/64" RSG-25FT	7277-0518	1.578	11 (.120)	11/32	.65
1 5/8" RSG-25FT	7277-0519	1.625	11 (.120)	11/32	.70
1 27/32" RSG-10FT	7277-0524	1.847	14 (.080)	13/32	.35
2 7/64" RSG-7FT	7277-0523	2.112	14 (.080)	13/32	.30
2 1/8" RSG-7FT	7277-0548	2.120	11 (.120)	11/32	.82

## Plated Flat Armor Spring Guards

**Description:** For proper spring guard selection compare the outside diameter of the hose to the inside diameter of the spring guard. Allow 1/32" for installation.



Descr.	Prod. No.	A (+.015)	B	C	P	Weight (Lbs.)
		"	"	"	"	
35/64" FSG-25FT	7277-0500	.550	.019	3/8	1/2	.14
39/64" FSG-25FT	7277-0533	.609	.032	1/4	3/8	.10
21/32" FSG-25FT	7277-0501	.656	.019	3/8	1/2	.17
22/32" FSG-25FT	7277-0502	.719	.019	3/8	1/2	.14
51/64" FSG-25FT	7277-0534	.797	.032	3/8	1/2	.22
13/16" FSG-25FT	7277-0503	.812	.028	1/4	3/8	.20
7/8" FSG-25FT	7277-0504	.875	.028	1/2	5/8	.22
61/64" FSG-25FT	7277-0505	.953	.028	1/2	5/8	.24
1 3/32" FSG-25FT	7277-0530	1.093	.028	1/2	5/8	.20
1 7/32" FSG-25FT	7277-0507	1.219	.028	1/2	5/8	.29
1 9/32" FSG-25FT	7277-0508	1.281	.028	1/2	5/8	.32
1 3/8" FSG-25FT	7277-0532	1.375	.028	1/2	5/8	.20
1 9/16" FSG-25FT	7277-0520	1.562	.028	1/2	5/8	.39
1 5/8" FSG-25FT	7277-0509	1.625	.028	1/2	5/8	.40
1 11/16" FSG-5FT	7277-0529	1.687	.028	1/2	5/8	.50
1 51/64" FSG-15FT	7277-0525	1.797	.028	1/2	5/8	.52
1 27/32" FSG-15FT	7277-0531	1.844	.028	1/2	5/8	.35
1" FSG-25FT	7277-0506	1.000	.028	1/2	5/8	.25
2 3/32" FSG-10FT	7277-0527	2.093	.028	1/2	5/8	.63
2 11/32" FSG-5FT	7277-0528	2.343	.028	1/2	5/8	.63

## Plated Flat Armor Spring Guards - Continued

Descr.	Prod. No.	A (+.015)	B	C	P	Weight (Lbs.)
		"	"	"	"	
2 7/8" FSG-5FT	7277-0526	2.875	.028	1/2	5/8	.65

## Plastic Protective Coil Sleeves

**Description:** Economical, lightweight plastic sleeving protects hose from water, air, gasoline and hydraulic fluids. Effective temperature range from -40°F to +250°F (-40°C to +121°C).



Descr.	Prod. No.	A Coil I.D.	B Strip Width	Thickness	Weight (Lbs.)
		"	"	"	
1/4" CS1151-100FT	7277-1151	1/4	1/4	.040	.09
3/8" CS1152-100FT	7277-1152	3/8	1/4	.040	.09
1/2" CS1153-100FT	7277-1153	1/2	3/8	.070	.09
5/8" CS1154-50FT	7277-1154	5/8	3/8	.070	.09
3/4" CS1155-50FT	7277-1155	3/4	3/8	.070	.09
1 3/8" CS1157-25FT	7277-1157	1 3/8	5/8	.115	.09
1 7/8" CS1158-25FT	7277-1158	1 7/8	5/8	.115	.09
1" CS1156-50FT	7277-1156	1	5/8	.115	.55

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## PolySleeve™ High Density Polyethylene Hose Wrap - Black

**Description:** Gates® PolySleeve™ is a spiral wrap designed to protect or bundle hose for appearance and safety. PolySleeve™ protects hose from chaffing, rubbing, crushing, ultraviolet rays and other hazards that cause hose failures. It can be an easy and economical way to protect equipment, reduce downtime, improve sighting and improve overall appearance. PolySleeve™ can be installed easily - even after the hose assembly or assemblies are in place. The edges are rounded, so installers won't cut their hands. Just wrap a section of Gates PolySleeve™ in the abrasion area or wrap it around any number of hose for better appearance or safety. It is offered in either black or yellow in a full range of sizes.

This product is made of heavy-wall, high-density polyethylene (HDPE) and has a wide temperature range. At -40°F it starts to become somewhat brittle, and at 280°F it starts to become soft. After temperature is normalized, PolySleeve™ returns to its original state quickly. PolySleeve™ is made with an anti-static material, so it won't build up a static charge.

**Features Advantages:** Available in two colors (black and yellow), multiple sizes for individual hose or bundling.

Comes with rounded edges both inside and out for added safety.

Easy to install before or after assembly fabrication or installation.

Effective temperature range from -40°F to 280°F (-40°C to 130°C).

Guards against harsh environmental conditions for reduced downtime.

Safe, affordable protection for hydraulic and pneumatic lines.



Descr.	Prod. No.	Coil I.D.	Fits Max. Hose O.D.	Fits Min. Hose O.D.	Wall Thickness	Width	Weight (Lbs.)
		"	"	"	"	"	
6PSB POLY SLEEVE	7277-1174	.38	.52	.38	.060	3/8	.04
8PSB POLY SLEEVE	7277-1175	.50	.64	.52	.070	9/16	.05
12PSB POLY SLEEVE	7277-1176	.63	.85	.63	.080	5/8	.07
16PSB POLY SLEEVE	7277-1177	.84	1.08	.86	.080	7/8	.09
20PSB POLY SLEEVE	7277-1178	1.06	1.35	1.10	.100	15/16	.11
24PSB POLY SLEEVE	7277-1179	1.34	1.74	1.36	.120	1 3/16	.16
28PSB POLY SLEEVE	7277-1180	1.73	2.18	1.75	.120	1 7/16	.27
36PSB POLY SLEEVE	7277-1181	2.17	2.61	2.19	.160	1 1/2	.41
44PSB POLY SLEEVE	7277-1182	2.60	3.11	2.62	.180	1 11/16	.55
48PSB POLY SLEEVE	7277-1183	3.10	3.95	3.12	.220	1 7/8	.78
56PSB POLY SLEEVE	7277-1184	3.90	4.25	3.95	.220	2 1/4	.99
72PSB POLY SLEEVE	7277-0001	4.33	12	4.35	.220	1 3/8	1.08

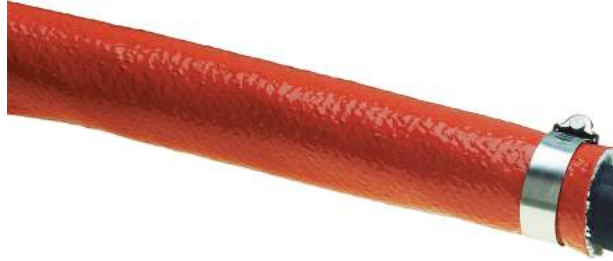
## PolySleeve™ High Density Polyethylene Hose Wrap - Yellow

Descr.	Prod. No.	Coil I.D.	Fits Max. Hose O.D.	Fits Min. Hose O.D.	Wall Thickness	Width	Weight (Lbs.)
		"	"	"	"	"	
6PSY POLY SLEEVE	7277-1185	.38	.52	.38	.060	3/8	.04
8PSY POLY SLEEVE	7277-1186	.50	.64	.52	.070	9/16	.05
12PSY POLY SLEEVE	7277-1187	.63	.85	.63	.080	5/8	.07
16PSY POLY SLEEVE	7277-1188	.84	1.08	.86	.080	7/8	.09
20PSY POLY SLEEVE	7277-1189	1.06	1.35	1.10	.100	15/16	.11
24PSY POLY SLEEVE	7277-1190	1.34	1.74	1.36	.120	1 3/16	.18
28PSY POLY SLEEVE	7277-1191	1.73	2.18	1.75	.120	1 7/16	.25
36PSY POLY SLEEVE	7277-1192	2.17	2.61	2.19	.160	1 1/2	.41
44PSY POLY SLEEVE	7277-1193	2.60	3.11	2.62	.180	1 11/16	.55
48PSY POLY SLEEVE	7277-1194	3.10	3.95	3.12	.220	1 7/8	.71
56PSY POLY SLEEVE	7277-1195	3.90	4.25	3.95	.220	2 1/4	.96

## HeatGuard® Protective Sheathing

**Description:** Best of all, HeatGuard can pay for itself in reduced replacement and maintenance costs. It is available in two grades - HeatGuard and HeatGuard Hi-Temp. Contact Hose Product Application for details. HeatGuard is a completely not-asbestos, heat-resistant, protective sleeving. It goes on easily over most hose and couplings, with only hose clamps or wire ties required for fastening. Nominal wall thickness - 0.135".

**Temperature Range:** HeatGuard coated fiberglass; meets SAE AS1072A specification; temperature range: -65°F to +500°F (-54°C to +260°C).



Descr.	Prod. No.	Inside Diameter	Weight (Lbs.)
		"	
HTG-4	7277-1571	.25	.07
HTG-5	7277-1572	.31	.07
HTG-6	7277-1573	.38	.09
HTG-7	7277-1574	.44	.09
HTG-8	7277-1575	.50	.10
HTG-9	7277-1576	.56	.10
HTG-10	7277-1577	.62	.11
HTG-11	7277-1578	.69	.12
HTG-12	7277-1579	.75	.13
HTG-13	7277-1580	.81	.13
HTG-14	7277-1581	.88	.14
HTG-15	7277-1582	.94	.15
HTG-16	7277-1196	1.00	.16
HTG-18	7277-1197	1.12	.18
HTG-20	7277-1583	1.25	.18
HTG-22	7277-1584	1.38	.22
HTG-24	7277-1585	1.50	.24
HTG-26	7277-1586	1.62	.25
HTG-28	7277-1587	1.75	.28
HTG-30	7277-1588	1.88	.28
HTG-32	7277-1589	2.00	.30
HTG-34	7277-1590	2.12	.33
HTG-36	7277-1591	2.25	.32
HTG-38	7277-1592	2.38	.36
HTG-40	7277-1593	2.50	.35
HTG-44	7277-1595	2.75	.41
HTG-56	7277-1600	3.00	.53
HTG-64	7277-1602	4.00	.55

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

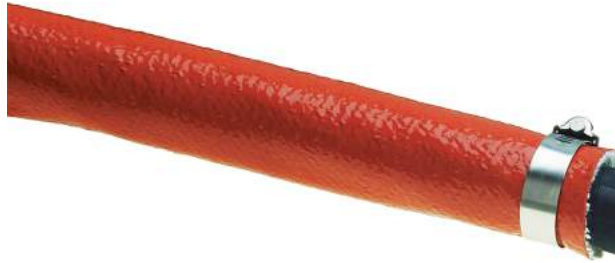
EQUIPMENT AND  
PARTS



## HeatGuard® High-Temp Protective Sheathing

**Description:** HeatGuard Hi-Temp is a completely not-asbestos, heat-resistant, protective sleeving. It goes on easily over most hose and couplings, with only hose clamps or wire ties required for fastening. Nominal wall thickness - 0.142". It is available in two grades - HeatGuard and HeatGuard Hi-Temp. Contact Hose Product Application for details.  
It is available in two grades - HeatGuard and HeatGuard Hi-Temp. Contact Hose Product Application for details.

**Temperature Range:** HeatGuard Hi-Temp is braided, coated fiberglass; meets SAE AS1072E specification; temperature range: -65°F to +500°F (-54°C to +260°C) for continuous exposure, up to 2000°F (1093°C) for 15-20 minutes and up to 3000°F (1650°C) for 15-30 seconds.



Descr.	Prod. No.	Inside Diameter	Weight (Lbs.)
		"	
24-HTGH	7277-1611	1.50	.30
28-HTGH	7277-1612	1.75	.02
34-HTGH	7277-1613	2.12	.02
52-HTGH	7277-1616	3.25	.02

## HeatGuard® Tape

**Description:** HeatGuard Tape is designed to provide a non-adhesive insulating wrap that can be used as a substitute for HeatGuard protective sheathing, offering resistance to molten metal splash, radiant heat, abrasion, corrosive atmosphere, moisture, chemicals, vibration and electricity. HeatGuard Tape is white knitted fiberglass yarn woven in a flat strip and coated on one side with iron oxide red silicone rubber with a nominal thickness of 0.147".

**Temperature Range:** Rated for 500°F (260°C) continuous exposure, up to 2000°F (1093°C) for 15-20 minutes and up to 3000°F (1650°C) for 15-30 seconds.



Descr.	Prod. No.	Weight (Lbs.)
HTG 3-INCH WIDE HEATGUARD TAPE	7277-0012	.04
HTG 4-INCH WIDE HEATGUARD TAPE	7277-0013	.05
HTG 5-INCH WIDE HEATGUARD TAPE	7277-0014	.06
HTG-1 INCH WIDE HEATGUARD TAPE	7277-0010	.05
HTG-2 INCH WIDE HEATGUARD TAPE	7277-0011	.03

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Vinyl Bend Restrictor - Red

**Description:** Gates® tapered PVC sleeve reduces bending stress in the hose near the coupling to prevent damage, such as in power wash applications. Installed during hose assembly, this smoothly-finished product withstands temperatures from -40°F to +200°F (-40°C to +93°C).

**Features Advantages:** Friction Fit; no adhesives or clamps required to hold bend restrictor in place on hose assembly. Saves assembly cost. Smooth finish will not scratch finish on equipment being washed. Attractive appearance enhances look of quality. Tapered design reduces bending stress neat the hose-coupling junction so extra long, more trouble-free hose life can be expected. Wide temperature helps give extra long service life for both hot and cold power wash assemblies.

Descr.	Prod. No.	Inside Diameter	Length	Hose Size and Type	Weight (Lbs.)
		"	"		
HBR1097	7277-10975	.76	7.00	6G2	.14
HBR1097 XBULK	7277-1097	.76	7.00	6G2	.14
HBR1098	7277-10985	.91	7.00	8PC2500	.11
HBR1098 XBULK	7277-1098	.91	7.00	8PC2500	.20

## Vinyl Bend Restrictor - Black

**Description:** Gates® tapered PVC sleeve reduces bending stress in the hose near the coupling to prevent damage, such as in power wash applications. Installed during hose assembly, this smoothly-finished product withstands temperatures from -40°F to +200°F (-40°C to +93°C).

**Features Advantages:** Friction Fit; no adhesives or clamps required to hold bend restrictor in place on hose assembly. Saves assembly cost. Smooth finish will not scratch finish on equipment being washed. Attractive appearance enhances look of quality. Tapered design reduces bending stress neat the hose-coupling junction so extra long, more trouble-free hose life can be expected. Wide temperature helps give extra long service life for both hot and cold power wash assemblies.



Descr.	Prod. No.	Inside Diameter	Length	Hose Size and Type	Weight (Lbs.)
		"	"		
HBR1050	7277-10505	.63	5.5	4G1, 4G1H, 4G2, 4M3K, 4M2T, 4PC3500	.10
HBR1050 XBULK	7277-1050	.63	5.5	4G1, 4G1H, 4G2, 4M3K, 4M2T, 4PC3500	.10
HBR1051	7277-10515	.73	6.0	6G1, 6G1H, 6M3K, 6M2T, 6PC3000, 6PC4000, 4PC6000	.13
HBR1051 XBULK	7277-1051	.73	6.0	6G1, 6G1H, 6M3K, 6M2T, 6PC3000, 6PC4000, 4PC6000	.08
HBR1052	7277-10525	.84	7.00	8G1, 8G1H, 6PC5000	.16
HBR1052 XBULK	7277-1052	.84	7.00	8G1, 8G1H, 6PC5000	.16
HBR1053	7277-10535	1.00	8.0	10G1, 10G1H, 10M2T	.26
HBR1053 XBULK	7277-1053	1.00	8.0	10G1, 10G1H, 10M2T	.26
HBR1054	7277-10545	.77	7.00	6G2	.14
HBR1054 XBULK	7277-1054	.77	7.00	6G2	.14
HBR1055	7277-10555	.53	5.3	4TH7/4TH7NC	.07
HBR1055 XBULK	7277-1055	.53	5.3	4TH7/4TH7NC	.02
HBR1056	7277-10905	.91	7.00	8PC2500	.02

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Flange Fittings

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

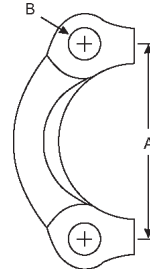
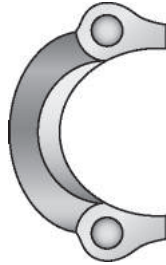
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

### Flange Half Sets (Code 61 - SAE J518)

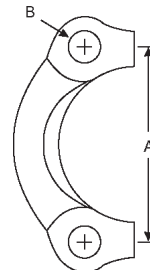
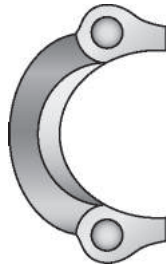
Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.



Descr.	Prod. No.	Nom. Flg. Size	A	B	Weight (Lbs.)
		"	"	"	
8CFHS	7253-07015	1/2	1.50	.34	.40
12CFHS	7253-07025	3/4	1.88	.41	.60
16CFHS	7253-07035	1	2.06	.41	.72
20CFHS	7253-07045	1 1/4	2.31	.47	1.10
24CFHS	7253-07055	1 1/2	2.75	.53	2.48
32CFHS	7253-07065	2	3.06	.53	1.64
40CFHS	7253-01305	2 1/2	3.50	.54	2.50
48CFHS	7253-01315	3	4.19	.66	4.00
56CFHS	7253-01325	3 1/2	4.75	.66	4.00
64CFHS	7253-01335	4	4.75	.66	4.75

### Flange Half Sets (Code 62 - SAE J518)

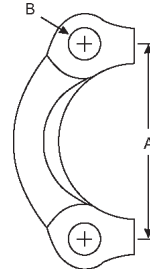
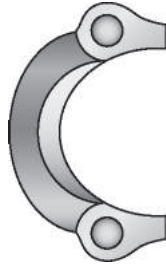
Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.



Descr.	Prod. No.	Nom. Flg. Size	A	B	Weight (Lbs.)
		"	"	"	
8FHHS	7253-09775	1/2	1.55	.34	.03
12FHHS	7253-09785	3/4	2.00	.41	.95
16FHHS	7253-09795	1	2.25	.47	1.60
20FHHS	7253-09805	1 1/4	2.63	.53	2.50
24FHHS	7253-09815	1 1/2	3.13	.66	4.40
32FHHS	7253-09825	2	3.81	.78	6.87

## Caterpillar-Style Flange Half Sets

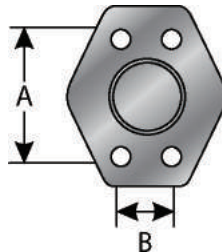
Each set contains 2 flange halves, 1 O-Ring and 4 bolts (Grade 8) with lock washers.



Descr.	Prod. No.	Nom. Flg. Size	A	B	Weight (Lbs.)
		"	"	"	
12CATFHS	7253-37025	3/4	2.00	.41	1.51
16CATFHS	7253-37035	1	2.25	.47	1.20
20CATFHS	7253-37045	1 1/4	2.63	.53	1.80
24CATFHS	7253-37055	1 1/2	3.13	.66	4.25
32CATFHS	7253-37065	2	3.81	.78	6.80

## Code 61 Flange Cap

For maintenance use only. Not to be used under pressure.



Descr.	Prod. No.	Nom. Flg. Size	A	B	Weight (Lbs.)
		"	"	"	
12FL-CAP	7253-66115	3/4	1.88	.41	.50
16FL-CAP	7253-66125	1	2.06	.41	.55
20FL-CAP	7253-66135	1 1/4	2.31	.47	.80
24FL-CAP	7253-66145	1 1/2	2.75	.53	1.10
32FL-CAP	7253-66155	2	3.06	.53	1.40

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

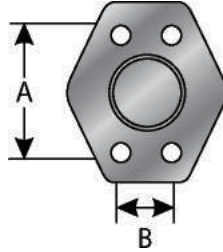
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Code 62 Flange Cap

For maintenance use only. Not to be used under pressure.



Descr.	Prod. No.	Nom. Flg. Size	A	B	Weight (Lbs.)
		"	"	"	
12FLH-CAP	7253-66165	3/4	2.00	.41	.65
16FLH-CAP	7253-66175	1	2.25	.47	.80
20FLH-CAP	7253-66185	1 1/4	2.63	.53	1.10
24FLH-CAP	7253-66195	1 1/2	3.13	.66	1.80
32FLH-CAP	7253-66205	2	3.81	.78	2.60

## O-Rings for Code 61, Code 62, and Caterpillar-Style Flange Fittings

90 Durometer Hardness.



Descr.	Prod. No.	Inside Diameter	Wall	Weight (Lbs.)
		"	"	
8 FLANGE O-RING	7254-0001	3/4	.139	.02
10 FLANGE O-RING	7254-0142	55/64	.139	.03
12 FLANGE O-RING	7254-0007	1.00	.139	.02
16 FLANGE O-RING	7254-0009	1 5/16	.139	.02
20 FLANGE O-RING	7254-0011	1 1/2	.139	.02
24 FLANGE O-RING	7254-0013	1 7/8	.139	.02
32 FLANGE O-RING	7254-0015	2 1/4	.139	.02
40 FLANGE O-RING	7254-0133	2 3/4	.139	.05
48 FLANGE O-RING	7254-0134	3 3/8	.139	.05
56 FLANGE O-RING	7254-0135	3 7/8	.139	.05
64 FLANGE O-RING	7254-0136	4 3/8	.139	.15

## O-Rings for Straight Thread Boss Fittings

90 Durometer Hardness.



Descr.	Prod. No.	Inside Diameter	Wall	Weight (Lbs.)
		"	"	
3 O-RING	7254-0003	19/64	1/16	.02
4 O-RING	7254-0004	11/32	5/64	.01
5 O-RING	7254-0005	13/32	5/64	.02
6 O-RING	7254-0006	15/32	5/64	.01
8 O-RING	7254-0008	41/64	3/32	.01
10 O-RING	7254-0010	3/4	3/32	.02
12 O-RING	7254-0012	59/64	7/64	.01
14 O-RING	7254-0014	1 3/64	7/64	.02
16 O-RING	7254-0016	1 11/64	7/64	.02
20 O-RING	7254-0020	1 15/32	7/64	.02

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## O-Rings for Flat-Face Fittings

90 Durometer Hardness.

**Caution:** DO NOT USE these O-Rings with phosphate esters, diesters or phosphate ester emulsion hydraulic fluids. Instead, use O-Rings made of Viton, EPDM or CPE polymers or other materials compatible with the fluids.  
These O-Rings are compounded from a Nitrile polymer for use with petroleum-base hydraulic fluids, water and glycol and oil-water emulsions.



Descr.	Prod. No.	Reference Coupling	Arp. No.	Weight (Lbs.)
		"		
4 O-RING FF	7254-0125	1/4	011	.01
6 O-RING FF	7254-0126	3/8	012	.01
8 O-RING FF	7254-0127	1/2	014	.01
10 O-RING FF	7254-0128	5/8	016	.01
12 O-RING FF	7254-0129	3/4	018	.01
16 O-RING FF	7254-0130	1	021	.01
20 O-RING FF	7254-0131	1 1/4	025	.01
24 O-RING FF	7254-0132	1 1/2	029	.04

NOTE: Standard O-Ring number.

## O-Rings for British Standard Parallel Pipe (BSPP Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	Inside Diameter	Wall	Weight (Lbs.)
		mm	mm	
4 O-RING FBSPP	7254-1166	5.5	1.0	.01
6 O-RING FBSPP	7254-1154	7.1	1.6	.01
8 O-RING FBSPP	7254-1157	11.1	1.6	.01
10 O-RING FBSPP	7254-1159	12.1	1.6	.01
12 O-RING FBSPP	7254-1162	15.1	1.6	.01
16 O-RING FBSPP	7254-1164	20.1	1.6	.01
20 O-RING FBSPP	7254-1165	27.1	1.6	.01

## O-Rings for DIN Heavy Series (PC, PCM & PCS Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	Inside Diameter	Wall	Weight (Lbs.)
		mm	mm	
8 O-RING DIN H	7254-0154	6.0	1.5	.01
10 O-RING DIN H	7254-0151	7.1	1.6	.01
12 O-RING DIN H	7254-0153	9.1	1.6	.11
14 O-RING DIN H	7254-0150	10.5	1.8	.01
16 O-RING DIN H	7254-0149	11.9	1.8	.01
20 O-RING DIN H	7254-0152	16.6	2.4	.01
25 O-RING DIN H	7254-0144	21.6	2.4	.02
30 O-RING DIN H	7254-0146	27.6	2.4	.02
38 O-RING DIN H	7254-0145	34.6	2.4	.02

## O-Rings for DIN Light & Heavy Series (MegaCrimp® and GlobalSpiral™ Couplings)

70 Durometer Hardness.



Descr.	Prod. No.	Inside Diameter	Wall	Weight (Lbs.)
		mm	mm	
15/16 O-RING DIN L/H	7254-0200	12.0	2.0	.01
6 O-RING DIN H	7254-0206	4.0	1.5	.01
8 O-RING DIN H	7254-0207	6.0	1.5	.01
10 O-RING DIN H	7254-0208	7.5	1.5	.01
12 O-RING DIN H	7254-0209	9.0	1.5	.01
14 O-RING DIN H	7254-1132	10.0	2.0	.01
18 O-RING DIN L	7254-0201	15.0	2.0	.01
20 O-RING DIN H	7254-0210	16.3	2.4	.01
22 O-RING DIN L	7254-0202	20.0	2.0	.01
25 O-RING DIN H	7254-0211	20.3	2.4	.01
28 O-RING DIN L	7254-0203	26.0	2.0	.01
30 O-RING DIN H	7254-0212	25.3	2.4	.02
35 O-RING DIN L	7254-0204	32.0	2.5	.01
38 O-RING DIN H	7254-0213	33.3	2.4	.02
42 O-RING DIN L	7254-0205	38.0	2.5	.02

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

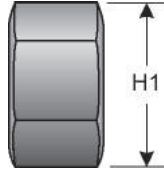
EQUIPMENT AND  
PARTS




## Tube Nuts and Sleeves

### Tube Sleeve Nut

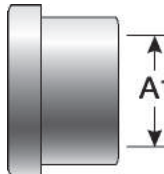
For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.	A1		H1	Weight (Lbs.)
		"	"	"	
2TSN	7259-06805	1/8	5/16-24	3/8	.01
3TSN	7259-78295	3/16	3/8-24	1/4	.11
4TSN	7259-01105	1/4	7/16-20	9/16	.02
5TSN	7259-01115	5/16	1/2-20	5/8	.03
6TSN	7259-01125	3/8	9/16-18	11/16	.04
8TSN	7259-01135	1/2	3/4-16	7/8	.07
10TSN	7259-01145	5/8	7/8-14	1	.09
12TSN	7259-01155	3/4	1 1/16-12	1 1/4	.17
14TSN	7259-01165	7/8	1 3/16-12	1 3/8	.20
16TSN	7259-01175	1	1 5/16-12	1 1/2	.22
20TSN	7259-01185	1 1/4	1 5/8-12	2	.55
32TSN	7259-09055	2	2 1/2-12	2 7/8	1.19

### Tube Sleeve

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.	A1	Weight (Lbs.)
		"	
3TS	7259-78275	3/16	.10
4TS	7259-23905	1/4	.10
5TS	7259-23915	5/16	.10
6TS	7259-23925	3/8	.03
8TS	7259-23935	1/2	.10
10TS	7259-23945	5/8	.02
12TS	7259-23955	3/4	.04
14TS	7259-23965	7/8	.03
16TS	7259-23975	1	.04
20TS	7259-23985	1 1/4	.05
24TS	7259-23995	1 1/2	.14
32TS	7259-24005	2	.27

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

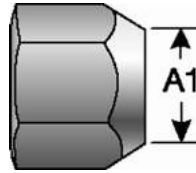
LIVE SWIVEL


BALL VALVES

ACCESSORIES

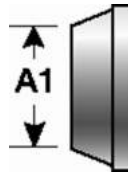
EQUIPMENT AND  
PARTS

## Female Flareless Nut



Descr.	Prod. No.	A1		H1	Weight (Lbs.)
		"	"	"	
4FFN	7334-40495	1/4	7/16-20	9/16	.30
5FFN	7334-40505	5/16	1/2-20	5/8	.30
6FFN	7334-40515	3/8	9/16-18	11/16	.30
8FFN	7334-40425	1/2	3/4-16	7/8	.30
10FFN	7334-40525	5/8	7/8-14	1	.30
12FFN	7334-40535	3/4	1 1/16-12	1 1/4	.30
16FFN	7334-40545	1	1 5/16-12	1 1/2	.30

## Female Flareless Sleeve




Descr.	Prod. No.	A1	Weight (Lbs.)
		"	
4FFS	7334-40555	1/4	.03
5FFS	7334-40565	5/16	.30
6FFS	7334-40575	3/8	.30
8FFS	7334-40435	1/2	.05
10FFS	7334-40585	5/8	.30
12FFS	7334-40595	3/4	.30
16FFS	7334-40605	1	.30

## Locknuts for Bulkhead Fittings

For use up to SAE 100R2 maximum working pressure.



Descr.	Prod. No.		H1	Weight (Lbs.)
		"	"	
5LN	7253-24615	1/2-20	3/4	.10
8LN-SH	7259-24635	3/4-16	1	.10
16LN-SH	7259-24665	1 5/16-12	1 5/8	.10

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

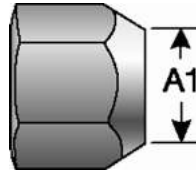
LIVE SWIVEL


BALL VALVES

ACCESSORIES

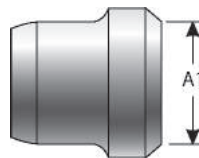
EQUIPMENT AND  
PARTS

## Metric Bite Nut



Descr.	Prod. No.		A1	Weight (Lbs.)
		"	mm	
6MNH	7253-27115	M14X1.5	6.0	.05
6MNL	7253-27105	M12X1.5	6.0	.13
8MNH	7253-27135	M16X1.5	8.0	.04
8MNL	7253-27125	M14X1.5	8.0	.03
10MNH	7253-27155	M18X1.5	10.0	.10
10MNL	7253-27145	M16X1.5	10.0	.05
12MNH	7253-27175	M20X1.5	12.0	.10
12MNL	7253-27165	M18X1.5	12.0	.05
14MNH	7253-27195	M22X1.5	14.0	.10
15MNL	7253-27185	M22X1.5	15.0	.05
16MNH	7253-27205	M24X1.5	16.0	.02
18MNL	7253-27215	M26X1.5	18.0	.15
20MNH	7253-27225	M30X1.5	20.0	.25
22MNL	7253-27235	M30X1.5	22.0	.20
25MNH	7253-27245	M36X1.5	25.0	.46
28MNL	7253-27255	M36X1.5	28.0	.20
30MNH	7253-27265	M42X1.5	30.0	.47
35MNL	7253-27275	M45X1.5	35.0	.30
38MNH	7253-27285	M52X1.5	38.0	.70
42MNL	7253-27295	M52X1.5	42.0	.48

## Metric Bite Sleeve



Descr.	Prod. No.	A1	Weight (Lbs.)
		mm	
6BS	7253-26815	6.0	.01
8BS	7253-26835	8.0	.23
10BS	7253-26855	10.0	.02
12BS	7253-26875	12.0	.01
14BS	7253-26895	14.0	.32
15BS	7253-26905	15.0	.01
16BS	7253-26915	16.0	.36
18BS	7253-26925	18.0	.02
20BS	7253-26935	20.0	.02
22BS	7253-26945	22.0	.02
25BS	7253-26955	25.0	.03
28BS	7253-26965	28.0	.48
30BS	7253-26975	30.0	.03
35BS	7253-26985	35.0	.05

## Metric Bite Sleeve - Continued

Descr.	Prod. No.	A1	Weight (Lbs.)
		mm	
38BS	7253-26995	38.0	.06
42BS	7253-27005	42.0	.06

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC. GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

Diagnostic Equipment

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Descr.	Prod. No.	Weight (Lbs.)
RFID BAND TAG - ORANGE	7485-2110	.01
RFID KEY TAG - ORANGE	7485-2120	.07
RFID LANYARD TAG 12 IN ORANGE	7485-2130	.06
RFID LANYARD TAG 24 IN. - ORANGE	7485-2140	.07
RFID LANYARD TAG 36 IN ORANGE	7485-2150	.06

### MobileCrimp® 4-20 Crimper

Digital Dial Control - Just dial in appropriate crimp setting and hold the start button until light comes on and buzzer sounds, then release. Ability to lock-in setting for multiple assemblies. Light and buzzer operate on two "AAA" batteries.

Positive Stop Control - No settings necessary since color-coded spacer rings control the crimp. Just hold the start button until the ram extends to a fixed "Stop" for each crimp, then release. Controlled crimp stroke for ease of repeatability.

This lightweight, versatile crimper is powerful enough to crimp up to 1 1/4" four spiral-wire hose. Weighing approximately 70 pounds, this new field crimper combines the latest crimping technology with old-fashioned toughness and durability.

#### Features Advantages:

- Great for jobs in the field.
- Portable and lightweight.
- Powerful enough to crimp up to 1 1/4" I.D. four spiral-wire hose.
- The latest in high tech crimping.



Product Number	Description	Weight (Lbs.)
7480-0051	Digital Dial Crimper	78.00

### MobileCrimp® 4-20 Pumps

Wide selection of pumps to match all your power needs.

#### Features Advantages:

- 7481-0002 - Shop Air Pump - Works off standard shop air (90 psi). Economical, convenient and versatile for use wherever 90 psi compressed air is available.
- 7481-0006 - Hand Pump - No power source needed. Economical, convenient and portable for use anywhere. Make factory-quality assemblies in the field to minimize downtime.
- 7481-0034 - 1/2 HP 115 Volt AC Pump - Medium speed. Economical. Recommended for a stationary or mobile application.
- 7481-0035 - 1 1/2 HP 115 Volt AC Pump - High speed. Recommended for stationary applications only.
- 7481-0037 - 1/4 HP 12 Volt DC Pump - Mobile operation, runs on standard 12 volt car/truck battery or a 12 volt portable battery pack. Ideal for tough jobs in the field.



Product Number	Description	Weight (Lbs.)
7481-0002	Shop Air Pump	10.00
7481-0006	2 Stage Hand Pump	12.00
7481-0034	1/2HP, 115V, AC Pump	32.00
7481-0035	1 1/2HP, 115V, AC Pump	108.00
7481-0037	1/4HP, 12V, DC Pump	20.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

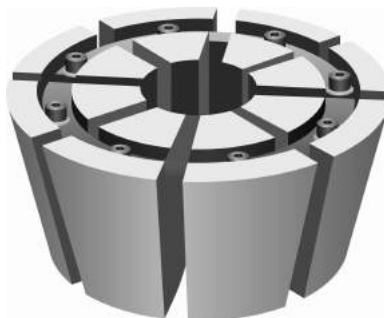
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## MobileCrimp® 4-20 Dies



Product Number	Description	Weight (Lbs.)
7482-0981	Die Set (MCC3) for Clamp Collars	7.20
7482-0982	Die Set (MCC4) for Clamp Collars	7.02
7482-1131	Die Set (MC31)	8.50
7482-1132	Die Set (MC32)	8.50
7482-1133	Die Set (MC33)	8.50
7482-1134	Die Set (MC34)	8.50
7482-1135	Die Set (MC35)	8.50
7482-1136	Die Set (MC36)	8.50
7482-1137	Die Set (MC37)	7.70
7482-1138	Die Set (MC38)	8.50
7482-1139	Die Set (MC39)	8.50
7482-1140	Die Set (MC40) for 6AC	8.50
7482-1141	Die Set (MC41) for 8AC	8.50
7482-1142	Die Set (MC42) for 10AC	8.50
7482-1143	Die Set (MC43) for 12AC	8.50
7482-1144	Die Set (MC44) for Power Steering	8.50
7482-1145	Die Set (MC45) for Grease Fitting	8.50
7482-1220	Die Set (MC21)	7.65
7482-1221	Die Set (MC22)	7.55
7482-1273	Die Set (MC47)	7.65
7482-1344	Die Set (MC71)	7.20
7482-1357	Die Set (MC74)	7.00
7482-1358	Die Set (MC75)	7.20
7482-1400	Die Set (MC20)	7.75

HOSE

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SELECTION

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BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## MobileCrimp® 4-20 Parts



Product Number	Description	Weight (Lbs.)
3663-6922	8' Hose Assy MC4-20	3.40
7482-1000	Magnet for Handling Die Sets	1.50
7482-1005	Stand	3.75
7482-1006	Pivot Spacer	.20
7482-1009	Stand Clamp	.20
7482-1012	Pivot Knob	.05
7482-1013	Positive Stop Pressure Plate	3.50
7482-1015	DD Computer Pressure Plate	3.25
7482-1016	Computer Crimp Control Box	3.75
7482-1027	Rubber Die Ring	.01
7482-1036	Pusher	5.75
7482-1037	Cover Plate	.75
7482-1041	Seal Kit Includes: Seal, Washer and Backup Ring	.10
7482-1098	Computer Cable	.10
7482-1099	Computer Power Module	1.75
7482-1100	Digital Dial Assy. Kit (To Upgrade PS)	6.80
7482-1117	Ball Plunger for Top of Cylinder	.05
7482-1147	Spring	.01
7482-1148	Die Link	.02
7482-1149	Shoulder Screws	.01
7482-1157	Slydring for Piston	.14
7482-1163	Tall Handle for DD	.74
7482-1164	Locking Pin	.10
7482-1165	Chain for Locking Pin	.06
7482-1168	Cable Assy. for DD	.12
7482-1170	DD Top Mt Contrl Kit (side to top mount)	4.35
7482-1171	DD Controller Top Mount	2.54
7482-1190	Retaining Ring for Piston	1.55

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
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STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
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COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
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BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## MobileCrimp® 4-20 Positive Stop Spacers

Product Number	Description	Weight (Lbs.)
7482-1102	B1 Spacer, PS	.52
7482-1103	W1 Spacer, PS	.62
7482-1104	R1 Spacer, PS	.74
7482-1105	B2 Spacer, PS	.82
7482-1106	W2 Spacer, PS	.90
7482-1107	R2 Spacer, PS	1.00
7482-1108	B3 Spacer, PS	1.12
7482-1109	W3 Spacer, PS	1.20
7482-1110	R3 Spacer, PS	1.30
7482-1111	B4 Spacer, PS	1.42
7482-1112	W4 Spacer, PS	1.50
7482-1113	R4 Spacer, PS	1.60
7482-1114	B5 Spacer, PS	1.70
7482-1115	W5 Spacer, PS	1.80
7482-1116	R5 Spacer, PS	1.88

## Power Crimp® 707 Crimper

Crimps most hydraulic hose from low pressure return lines to extremely high pressure spirals, from 3/16" to 1 1/4" I.D. Crimps straight and bent tube couplings, plus 45° and 90° block types. Can also be adapted for use as a power swager.

Gates® Power Crimp® 707 is the most precise, yet simplest crimper made. It was the first crimper with electronic digital readout to indicate gauge setting. The toughest part about using the 707 is pushing a button. It takes just a few seconds to make factory-quality hose assemblies.

**Specifications:**

Dimensions: 7480-0043 - 13" wide by 12" deep by 26 1/2" high

Production Rate: 100 assemblies per hour (using 1/2" I.D. two-wire straight thread assemblies)

Standard PC707 without die sets wired for 115 volts (includes die backup ring and a no-notched cone)



Product Number	Description	Weight (Lbs.)
7480-0043	PC707ND (No Dies)	188.12
7480-0049	PC707ND (No Dies) w/Brackets	250.00

## Power Crimp® 707 Pump

The flows of two fixed displacement pumps are combined to deliver a high volume of oil at low pressure for fast transversion. 115 volt, 30 amp, circuit, 1 h.p., 60 cycles.

**Specifications:**

Dimensions: 12" wide by 25" deep by 12" high



Product Number	Description	Weight (Lbs.)
7481-0023	Pump 115V/30amp/1HP/60 Cycle	70.00

## Power Crimp® 707 Dies



Product Number	Description	Weight (Lbs.)
7482-0920	Die Set 720 (Requires No Notch Cone)	8.50
7482-0931	Die Set 731	9.50
7482-0932	Die Set 732	9.50
7482-0933	Die Set 733	8.04
7482-0934	Die Set 734	7.86
7482-0935	Die Set 735	7.60
7482-0936	Die Set 736	7.40
*7482-0937	Die Set 737	8.16
*7482-0939	Die Set 739	8.00
7482-0941	Die Set 741 (8ACA)	9.00
7482-0942	Die Set 742 (10ACA)	8.50
7482-0943	Die Set 743 (12ACA)	7.75
7482-0944	Die Set 744 (Power Steering)	7.88
7482-0945	Die Set 745 (Grease Fitting)	9.50
7482-0946	Die Set 746 (Replaces B Die)	9.00
7482-0947	Die Set 740 (6ACA)	9.50
7482-1122	CC-7C3 Die Set for Clamp Collar	8.50
7482-1123	CC-7C4 Die Set for Clamp Collar	8.50
7482-1217	Die Set 721	8.22
7482-1218	Die Set 722	8.12
7482-1232	Die Set 782 for GL	6.00
7482-1233	Die Set 783 for GL	5.85
7482-1327	Die Set 722M	8.20
7482-1364	Die Set 718M	8.40
7482-1401	Die Set 720S	8.50
7482-1424	Die Set 73234 (LG)	5.61
7482-1425	Die Set 73335 (LG)	5.54
7482-1426	Die Set 73436 (LG)	5.47
7482-1427	Die Set 73537 (LG)	5.77
7482-1428	Die Set 73638 (LG)	6.26
7482-1429	Die Set 38311 (LG)	5.77

\*Must Use No-Notch Die Cone.

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBAL SPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC. GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

## Power Crimp® 707 Parts



Product Number	Description	Weight (Lbs.)
7480-6591	PC703 to PC707 Conversion Kit	12.00
7482-0054	Crimp Switch Button for PC603/PC707	.15
7482-0105	Piston New Design (Seals Included)	6.10
7482-0106	Piston Rod	6.90
7482-0109	Piston Rod Guide	9.80
7482-0110	Base Plate (Machine)	45.25
7482-0111	Tie Rod	6.00
7482-0112	Pusher Cup (update design)	11.50
7482-0116	Cylinder and Top Plate	78.00
7482-0118	Spring Anchor	.07
7482-0119	Mounting Bracket	.85
7482-0147	O-Ring Between Piston and Rod	.05
7482-0229	Actuator Rod	1.50
7482-0239	Die Cone With Notch	10.75
7482-0243	Tie Rod Nut	.30
7482-0277	Switch Box Complete w/115V Cord Assy.	3.87
7482-0280	Digital Readout Meter	.80
7482-0283	PC707 Shroud Only	9.10
7482-0289	PC707 Hose Assy. (Pump to Crimper)	2.10
7482-0291	Magnet for Removing Dies	.60
7482-0297	Die Cone (No Notch)	10.75
7482-0442	Microswitch	.05
7482-0498	230V Cord Assy. for Digital Readout	.15
7482-0499	PC707 230V Converter Kit	.73
7482-0747	115V Cord Assy for Digital Readout	.15
7482-0789	Die Cage Halves (Set of 2) for 700 Series	2.00
7482-0919	Stainless Steel Washer	.01
7482-0940	Die Cage Halves for 739	1.50
7482-1095	PC707 Seal Kit for New Aluminum Piston Serial Nos. 14,000 and Up	.20
7482-1215	Silver Die Back Up Ring	2.60
7482-1422	Large Plate	4.82
7482-1423	Large Plate and Die Kit	21.97
7482-1672	Screw for Die Fingers	.03
7482-3011	Molykote 3 oz. Jar G Die Lubricant	.25
7482-6959	Piston Return Spring	1.25

## SC32™ Crimper

The Gates SC32™ crimper is a versatile, easy-to-use, economical machine suitable for a hard-working shop environment. It is offered in 110V and 220V single phase versions to match the shop power supply. This rugged crimper is designed for continued use to meet day-to-day shop and counter needs for crimps on hose up to 1 1/4" I.D. with occasional crimps for larger assemblies up to 2", 6-spiral hose.

### Specifications:

7480-0070 - Wired for 220 Volts with 2 HP electric pump.

7480-0071 - Wired for 110 Volts with 1 HP electric pump.

Dimensions: 16 1/2" wide by 32" deep by 29" high

Max. Crimping Force: 80 tons

Max. Rated Working Pressure: 10,000 psi

Warranty: 2 Years

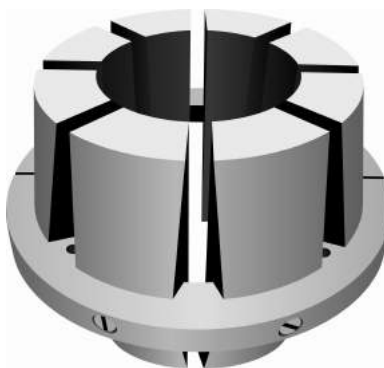


Product Number	Description	Weight (Lbs.)
7480-0070	SC32 Crimper/Pump 220V	435.00
7480-0071	SC32 Crimper/Pump 110V	435.00

## SC32™ Pumps

Product Number	Description	Weight (Lbs.)
7481-0051	SC32 Repl Pump Assy 2HP/220	69.00
7481-0052	SC32 Repl Pump Assy 1HP/110	69.00

## SC32™ Dies



Product Number	Description	Weight (Lbs.)
7482-1710	SC32-310 DBL Angle Die Set	19.00
7482-1711	SC32-311 DBL Angle Die Set	19.00
7482-1712	SC32-312 DBL Angle Die Set	17.00
7482-1713	SC32-313 DBL Angle Die Set	15.00
7482-1714	SC32-314 DBL Angle Die Set	15.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## SC32™ Parts

Product Number	Description	Weight (Lbs.)
7482-1432	SC32 Lg Die Set Adapter	12.00
7482-1700	SC32 Base Plate DBL Angle Die	16.00
7482-1701	SC32 Die Cone DBL Angle Die	14.00
7482-1702	SC32 Spacer Kit - 1 Inch	14.00
7482-1730	SC32 Pendant Switch	1.00
7482-1731	SC32 DPST-NO 25 AMP Omron Relay	.63
7482-1732	SC32 Switch Craft Push Button Switch	.31
7482-1733	SC32 80 Ton X 4 1/2 Cylinder	75.00
7482-1734	SC32 Die Ring Half, DBL Angle	1.00
7482-1735	SC32 Die Repl Screw for DBL Angle Die	.01
7482-1736	SC32 Die Spring for DBL Angle Die	.01
7482-1737	SC32 Micrometer	3.00
7482-1738	SC32 Die Cone for PC707 Series	34.00
7482-1740	SC32 Notched Die Cone for PC707 Dies	12.00
7482-1742	SC32 Crimper Bracket	7.00

## GC®32TSi Crimper and Stand



Product Number	Description	Weight (Lbs.)
7480-7002	GC32TSi-XD / GC96-TS Stand	242.00
7480-7003	GC32TSi-XD / GC96-TS Die Rack	48.40
7480-7004	GC32 TSi 220V Crimper	557.40

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
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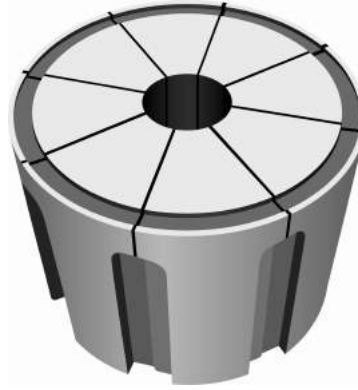
LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## GC®32 Dies



Product Number	Description	Weight (Lbs.)
7482-1419	Die Set 32-3234 (LG)	9.68
7482-1420	Die Set 32-3335 (LG)	9.53
7482-1421	Die Set 32-3436 (LG)	9.24
7482-1430	Die Set 32-3537 (LG)	9.76
7482-1431	Die Set 32-3638 (LG)	10.46
7482-1443	Die Set 32-38311 (LG)	9.00
7482-7128	Die Set 32-21	8.36
7482-7129	Die Set 32-22	8.80
7482-7130	Die Set 32-31	8.36
7482-7131	Die Set 32-33	8.80
7482-7132	Die Set 32-34	9.24
7482-7133	Die Set 32-35	10.01
7482-7134	Die Set 32-36	9.90
7482-7135	Die Set 32-37	9.24
7482-7136	Die Set 32-38	10.34
7482-7137	Die Set 32-39	9.90
7482-7138	Die Set 32-310L	9.24
7482-7139	Die Set 32-311	8.80
7482-7140	Die Set 32-312	8.58
7482-7141	Die Set 32-313	7.48
7482-7142	Die Set 32-314	6.91
7482-7143	Die Set 32-40 (6AC)	7.48
7482-7144	Die Set 32-41 (8AC)	7.48
7482-7145	Die Set 32-42 (10AC)	7.48
7482-7146	Die Set 32-43 (12AC)	7.26
7482-7147	Die Set 32-44 (Power Steering)	7.92
7482-7148	Die Set 32-46 (Battery Cable)	8.36
7482-7149	Die Set 32-81 (12GL)	7.70
7482-7150	Die Set 32-82 (16GL)	7.26
7482-7151	Die Set 32-83 (20GL)	6.60
7482-7152	Die Set 32-84 (24GL)	6.82
7482-7153	Die Set 32-85 (32GL)	5.50
7482-7154	Die Set 32-86 (40GL)	3.74
7482-7156	Die Set 32-331 (Clamp Collars)	8.58
7482-7157	Die Set 32-45 (Grease Fitting)	8.36
7482-7205	Die Set 32-18M	8.36
7482-7206	Die Set 32-22M	8.80
7482-7209	Die Set 32-20	8.36

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
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COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## GC®32 Parts



Product Number	Description	Weight (Lbs.)
3663-5161	Hose Assembly	.18
7482-7100	Head Replacement Kit	275.00
7482-7101	Panel Replacement Kit	25.30
7482-7102	Valve Block Adapters	.08
7482-7103	Pilot Operated Check	.81
7482-7104	Quick Change Tool	5.50
7482-7105	Dial Vernier	1.65
7482-7108	Depth Stop	3.52
7482-7109	Mirror	3.85
7482-7111	Foot Pedal	4.40
7482-7113	Control Panel Screws	.00
7482-7115	Control Panel Post	.14
7482-7116	Kicker Tubing (Upper)	.27
7482-7117	Kicker Tubing (Lower)	.15
7482-7119	Foam Fillers GC32-XD Set of 8	.04
7482-7124	Die Tubs	.69
7482-7126	Head Seal	.00
7482-7175	Breather Cap	.24
7482-7176	Fuses	.00
7482-7179	Kickers	3.30
7482-7180	2 Position 3-Way Solenoid	3.96
7482-7188	Dial Vernier Locking Plate	.01
7482-7189	M5X10 Button Cap Screw	.00
7482-7192	Inner Washer (Cont. Panel)	.12
7482-7193	Relief Valve	.40
7482-7194	Back Press. Cont. Cartridge	.33
7482-7196	Oil Filter Element	.25
7482-7208	Control Box CSA	25.30
7482-7246	QTC Repair Kit GC32/96 series up to 2"	.20
7482-7268	Die Retention Plate Kit	.07

### Gates GC®96TS Crimper

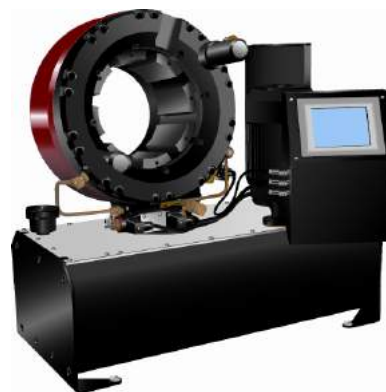
The GC®96 crimper is capable of crimping 2" 6-wire and up to 6" I.D. industrial hose. This crimper allows distributors to make reliable and professional looking assemblies providing more value to the end user. The large crimper head allows industrial hose assemblies to be made with a variety of terminations using crimpable ferrules and sleeves. The GC®96 crimper has additional versatility since in conjunction with optional spacer dies and GC®32-XD dies; it can make Gates® hydraulic hose assemblies also.

**Specifications:**

Capability: 1/4" - 2" Hydraulic hose, 2 1/2" - 4" Industrial hose, 5" - 6" Industrial hose up to and including 100 psi WP.

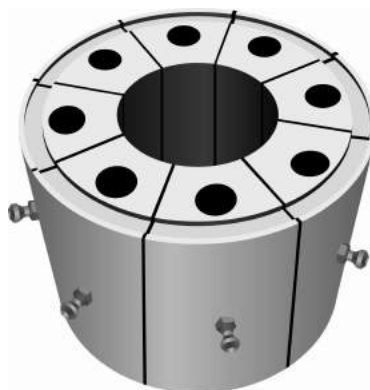
Dimensions: 31" high by 32" wide by 16" deep

Power Source: 208-264V, 45-65 Hz, Single phase and 20 Amps



Product Number	Description	Weight (Lbs.)
7480-0008	GC96 Crimper	770.00

### Gates GC®96 Dies



Product Number	Description	Weight (Lbs.)
7482-9087	GC96-87 Die Set	44.30
7482-9088	GC96-88 Die Set	39.90
7482-9089	GC96-89 Die Set	41.40
7482-9181	GC96/TS Die Release Tool	.28
7482-9600	GC96 Spacer Dies with box	39.30
7482-9610	Die Set 96-610 with Box	48.45
7482-9611	Die Set 96-611 with Box	43.10
7482-9612	Die Set 96-612 with Box	41.90
7482-9613	Die Set 96-613 with Box	47.10
7482-9614	Die Set 96-614 with Box	32.15

### Gates GC®96TS Crimper Parts

Product Number	Description	Weight (Lbs.)
7482-9100	Tablet Control Box Assy GC96TS	26.46

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

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DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## OmniCrimp 21 Dies



Product Number	Description	Weight (Lbs.)
7482-0672	Die Set (OM34)	10.00
7482-0673	Die Set (OM35)	10.00
7482-0674	Die Set (OM36)	10.00
7482-0675	Die Set (OM38)	9.00
7482-0677	Die Set (OM312)	6.00
7482-0716	Die Set (OM37)	9.40
7482-0717	Die Set (OM39)	8.50
7482-0718	Die Set (OM301)	9.66
7482-0721	Die Set (OM311)	8.00
7482-0722	Die Set (OM313)	6.00
7482-0723	Die Set (OM314)	5.00
7482-0726	Die Set (OM6AC)	8.00
7482-0727	Die Set (OM8AC)	8.00
7482-0728	Die Set (OM10AC)	8.00
7482-0729	Die Set (OM12AC)	7.11
7482-0730	Die Set (OM31BK)	9.50
7482-0731	Die Set (OM32BK)	9.50
7482-0732	Die Set (OM33BK)	9.37
7482-1156	Die Set (OM310L)	9.50
7482-1222	Die Set (OM21BK)	9.90
7482-1223	Die Set (OM22BK)	9.95
7482-1244	Die Set (OM84) for GL	7.30
7482-1245	Die Set (OM85) for GL	5.50
7482-1370	Die Set (OM18M)	9.60
7482-1371	Die Set (OM22M)	9.40
7482-1402	Die Set (OM20)	6.10

## OmniCrimp 21 Parts



Product Number	Description	Weight (Lbs.)
7482-0643	Optical Encoder	1.00
7482-0647	Die Shoes Detente Ball and Spring	.01
7482-0662	Depth Stop Old Style	1.60
7482-0666	Die Spring	.04
7482-0792	Omni Depth Stop (Serial Numbers 2000 and up)	1.88

## Power Crimp® 3000B Pumps



Product Number	Description	Weight (Lbs.)
7481-0013	Pump 440V/3HP/3 Phase	87.00
7481-0014	Pump 230V/3HP/Single Phase	86.00
7481-0016	Pump 230V/3HP/3 Phase	86.00
7481-0026	Pump 115V/2HP/60 Cycle	85.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
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STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

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COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Power Crimp® 3000B Parts

Product Number	Description	Weight (Lbs.)
3663-2060	Hose Assembly	2.35
7482-0298	Die Set (314)	19.40
7482-0550	Die Set (6AC)	17.60
7482-0551	Die Set (8AC)	17.40
7482-0552	Die Set (10AC)	18.25
7482-0553	Die Set (12AC)	16.10
7482-1127	Die Set (310L) Replaced (310)	17.25
7482-1224	Die Set (21)	19.20
7482-1225	Die Set (22)	19.15
7482-1236	Die Set (83) for GL	15.96
7482-1238	Die Set (85) for GL	14.90
7482-1366	Piston Replacement Kit	16.00
7482-2765	Microswitch for Switch Box	.05
7482-5009	Die Set (301)	20.00
7482-6315	Stop Adjmt. Screw for PC3000A	.25
7482-6515	Die Set (31)	15.00
7482-6516	Die Set (32)	18.00
7482-6517	Die Set (33)	18.65
7482-6518	Die Set (34)	16.26
7482-6519	Die Set (35)	19.00
7482-6520	Die Set (36)	17.00
7482-6521	Die Set (38)	15.50
7482-6523	Die Set (313)	18.50
7482-6582	Die Set (37)	17.10
7482-6950	Seal Kit for PC3000B	.30
7482-6969	Switch Box Assy for PC3000B	3.25
7482-7011	Die Set (39)	8.00
7482-7023	Die Set (311)	18.00
7482-7029	Die Set (312)	18.05

## PolarSeal® Hose Portable Crimper 2

Gates® portable PolarSeal® Crimper 2 is a hand-operated hose crimping machine specifically designed for crimping Gates PolarSeal couplings and is intended for use with Gates® PolarSeal® refrigerant hose. Standard dies included will crimp 5/16" (-6 Black), 13/32" (-8 Blue), 1/2" (-10 Green) and 5/8" (-12 Clear) sizes.

## Features Advantages:

- Capable of crimping underhood air conditioning applications.
- Color-coded, urethane encased dies.
- Crimps two-braid dimension or nylon barrier hose.
- Heavy-duty construction for use with air impact wrenches.
- Includes four color-coded die sets for crimping two-braid barrier hose.
- Lightweight for easy handling, less than six pounds.
- Locator flag centers ferrule in dies.
- No electrical requirements.
- OE-style bubble crimp.
- Portable hand operation, easy to change over from size to size.
- Quick-change dies, no tools required to change sizes.
- Removable die holder accommodates complicated shapes.
- Shipped in a custom carrying case with instructions.
- Unit can be bench-mounted.



Product Number	Description	Weight (Lbs.)
7480-6599	PolarSeal II Portable Crimper	10.10

## PolarSeal® Hose Portable Crimper Parts



Product Number	Description	Weight (Lbs.)
7482-1045	Die Guide Block	1.00
7482-1046	1/4 - 20 X 5/8 Screw	.05
7482-1047	Removable Die Holder	.00
7482-1048	Moveable Die Holder	.68
7482-1050	Spring	1.00
7482-1051	Lock Screw	.05
7482-1052	3/16" X 1/2 Roll Pin	.01
7482-1054	Thrust Bushing	1.00
7482-1055	Rubber Bumper	.01
7482-1056	Actuator Screw	.55
7482-1059	No. 6 Die Segment	.11
7482-1060	No. 6 Black Die Carrier	.05
7482-1063	No. 8 Die Segment	.20
7482-1064	No. 8 Blue Die Carrier	.01
7482-1066	No. 10 Die Segment	.05
7482-1069	No. 12 Die Segment	.09
7482-1070	No. 12 Clear Die Carrier	.01
7482-1071	5/32" Short Arm Hex Key	.00
7482-1073	PTFE Grease	.15
7482-1074	3/8" X 4 Pipe Nipple	.00
7482-1075	3/8" Floor Flange	.40
7482-1076	Carry Case, Polars	1.00
7482-1313	Thrust Bushing	.02
7482-1315	8 Die PSC2	.92
7482-1317	12 Die PSC2	.92

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

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THERMOPLASTIC  
COUPLINGSFIELD  
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BRAKE  
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SELECTION

G8K COUPLINGS

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EQUIPMENT AND  
PARTS**PolarSeal® II Hose Pliers**

The PolarSeal® II pliers are used to crimp the clamps on PolarSeal® II couplings. The ratcheting pliers will not release until the crimp is complete guaranteeing a proper seal. The straight jaw pliers are used when there are no obstructions to hinder crimping. The notched jaw pliers are for use in tight quarters. Use the side or the front of the pliers to complete the crimp.



Product Number	Description	Weight (Lbs.)
7369-5501	Notched Jaw Pliers	.80
7369-5502	Straight Jaw Pliers	.80
7369-5503	Ratcheting Pliers	1.40

**Vertical Hydraulic Hose Cabinet**

Rack up sales and get organized at the same time with a new 'vertical' hydraulic hose cabinet from Gates®.

**Features Advantages:**

Designed to support one hydraulic coupling cabinet on top for maximum efficiency.

Optional choice for use as cabinet base with maximum of one four-drawer cabinet.

Shown with four-drawer cabinet (purchase separately as Product No. 7484-0010). Six narrow and two wide slots to stock a variety of hydraulic hoses.



Product Number	Description	Weight (Lbs.)
7484-0022	Vertical Hose Storage Cabinet (Optional Cabinet Base)	154.00

## Hydraulic Hose Reel Rack

This sturdy and convenient rack stores three reels of hose.

### Specifications:

Dimensions: 30" deep by 28" wide by 72" high



Product Number	Description	Weight (Lbs.)
7484-0019	Hydraulic Hose Reel Rack	165.00

## Hydraulic Coupling Cabinet

Customized to fit all your needs! Now even more versatile, these easy-to-assemble units are compactly designed to give you years of reliable service. Components are ordered individually by product number for easy customization.

### Specifications:

1. MobileCrimp® 4-20 - Pre-drilled holes in mounting shelf (item #2 below) allows easy mounting of either the Positive Stop or Digital Dial MobileCrimp 4-20 crimper. **SAFETY HINT:** If the MobileCrimp 4-20 is mounted on top of the cabinet, you **MUST:** • Use crimper mounting shelf (item #2 below) • Bolt shelf and cabinet to wall using pre-drilled holes • Not use the caster leg set
2. Mounting Shelf for MC 4-20 Crimper - Product No. 7484-0013
3. Coupling Cabinet with Four Sliding Shelves (Two Shown) - Product No. 7484-0010. Shelves slide out for easy access and can hold a combination of ten 3 1/2" wide bin boxes or five 7" wide bin boxes. Unit can be stacked and bolted together as shown in illustration. Each measures 41" wide by 21" high by 12" deep. **SAFETY HINT:** Slide open only one shelf at a time to avoid tipping.
4. Stationary Legs (Shown) - Product No. 7484-0011. Allows for precise leveling. Heavy-Duty Caster Leg Set (Not Shown) - Product No. 7484-0012. Set consists of four heavy-duty casters, two of which can be locked.
5. Bin Boxes - Order separately in whatever combination best fits your needs. Dividers come with each bin box. Each bin box has slots to allow for maximum utilization.

When assembled, the typical combination of two four-shelf coupling cabinets and stationary leg set as shown measures 48" high by 41" wide by 12" deep.



Product Number	Description	Weight (Lbs.)
7484-0000	Coupling Cabinet Slide	2.20
7484-0010	Cplg. Cabinet w/4 Sliding Shelves	82.00
7484-0011	Stationary Leg Set	8.15
7484-0012	Caster Leg Set - Heavy Duty	15.00
7484-0013	Shelf Kit for Crimper MC4-20	18.00
7484-0014	3 1/2" Wide Bins w/3 Dividers (Carton of 10)	7.00
7484-0015	7" Wide Bins w/3 Dividers (Carton of 5)	6.00
7484-0016	Dividers for 3 1/2" Bin (3 per pkg.)	.15
7484-0017	Dividers for 7" Bin (3 per pkg.)	.35

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

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DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

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SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
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ADAPTERS

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DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

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PARTS

## Two-Drawer Coupling Cabinet

This two-drawer cabinet is ideal to add nylon air brake tubing couplings to your hydraulic inventory. This cabinet can be stacked and bolted together with your existing hydraulic cabinet. Uses the same bin boxes as listed above.

### Specifications:

Dimensions: 41" wide by 11" high by 12" deep



Product Number	Description	Weight (Lbs.)
7484-0021	2 Drawer Coupling Cabinet	42.00

## Work Bench

This new hydraulic work bench is ideal for holding either the Power Crimp® 707 or MobileCrimp® 4-20 crimpers as well as hydraulic saws. The lower shelf can be used for storage or as shown with the pump. It is made of an angle iron frame construction with a high-density fiberboard top and welded 13-gauge steel lower shelf. All hardware is included to allow for easy assembly in about 10 minutes.

### Specifications:

Dimensions: 36" wide by 24" deep by 36" tall



Product Number	Description	Weight (Lbs.)
7484-0020	Hydraulic Work Bench	74.00

## Hydraulic Coupling Bin and Boxes

Bin boxes for hydraulic couplings. Corrugated cardboard design gives extra strength. Includes four dividers per box. Product No. 7484-0008 and 7484-0009  
The 24-bin cabinet is constructed of heavy gauge steel. Excellent for storing large 1 1/4" to 2" I.D. couplings. Product No. 7484-0007

### Specifications:

Dimensions: 7484-0007 - 34" wide by 24" high by 12" deep

Dimensions: 7484-0008 - 5" wide by 4 1/2" high by 11" deep

Dimensions: 7484-0009 - 7 1/2" wide by 4 1/2" high by 11" deep



Product Number	Description	Weight (Lbs.)
7484-0007	24 Bin Cplg. Cabinet	44.00
7484-0008	Cardboard Bin Box (Carton of 50)	16.25
7484-0009	Cardboard Bin Box-Lg 25	11.00

## Hydraulic Coupling Cabinet Parts

Product Number	Description	Weight (Lbs.)
7369-0319	Intl. Thread I.D. Kit (Includes Pocket Kit 86584)	8.11
7369-0322	Digital Caliper 6" (Special Milled Hole)	.90
7369-4318	Pocket Thread I.D. Kit	.50
7484-0213	QD Merchandiser (Replaces 78209)	3.69

## Frosted Air Brake Labels



Product Number	Description	Weight (Lbs.)
7484-0023	Frosted Air Brake Labels	.10

## Gates Power Cutter 208

## Features Advantages:

Clear face shield for added safety.

Cuts small 3/16" I.D. hose and handles the tough job including 2" I.D. spiral wire hose. (Optional abrasive blade preferred for cutting spiral-wire hose, larger than 1 1/4" I.D.)

Easy to use, front face plate with moveable pins holds hose securely for a clean straight cut.

Effortless Straight Cuts Every Time

Includes scalloped, 12" blade to dissipate heat, reducing friction for clean, faster cuts up to 1 1/4" I.D.

Optional abrasive blade for continuous use with 1 1/4" I.D. and larger spiral-wire reinforced hose.

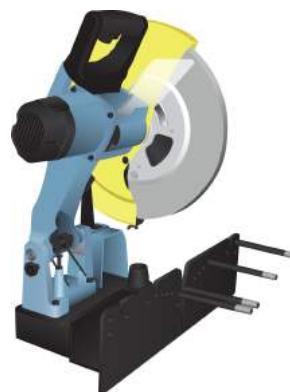
Permanent mounting brackets (included) to attach saw to table.

Powerful high torque, 4.5 horsepower peak motor that makes cutting faster and easier.

Reversible blade can be sharpened; removal and installation is easy.

Safely cuts two and four-wire hose through 2", six-wire hose through 1 1/4".

Sturdy blade guard shields blade for safety.



## Specifications:

Blade Dimensions: 12" by 1/8"

Dimensions: 7480-6609 - 22 1/2" wide by 18 1/4" length by 23 1/2" high

No Load Speed: 3,500 rpm

Power Source: 4.5 HP Peak, 115/50/60 Hz, 20 Amps

Shaft/Arbor Hole Diameter: 1"

## Caution:

Keep blade sharp. Heat generated by a dull blade can damage steel and flare the hose.

Product Number	Description	Weight (Lbs.)
7480-6609	208 Hose Cutter	65.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
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COUPLINGSPOLARSEAL II  
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PCTS  
THERMOPLASTIC  
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ADAPTERS

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ACCESSORIES

EQUIPMENT AND  
PARTS**Gates Hose Cutter Model 1.5" 2 Wire Shop Saw**

For two-wire braid hose through 1 1/2" I.D.

**Features Advantages:**

- Clean Easy Cuts - Safe Operation
- Cuts up to 1 1/2" I.D. two-wire braid hose and 1" four wire spiral hose.
- Designed to operate on standard 20 amp service.
- Inner blade guard for safe operation.
- Radius hose feed into blade for safety and reduced friction.
- Reversible 8" scalloped-edge, high-speed steel blade with 5/8" bore can be sharpened.

**Specifications:**

- Dimensions: 7480-6607 - 13" wide by 24" length by 17" high
- Power Source: 1 1/2 HP (2.6 HP Peak), 115V, 60 Hz., 15 Amp motor with power cord and plug



Product Number	Description	Weight (Lbs.)
7480-6607	1.5" 2 Wire Shop Saw 60Hz 115VAC	110.00

**Gates Hose Cutter Model 2" 6 Wire Shop Saw**

For six-wire spiral and two-wire braid hose through 2" I.D.

**Features Advantages:**

- Clean Easy Cuts - Safe Operation
- Cuts up to 2" I.D. two-wire braid through six-spiral reinforced hose.
- Includes Coolant Spray System Kit for reduced heat in high-capacity cutting applications (recommended for multi-braid and spiral reinforced hose). Kit includes reservoir, spray nozzle and mounting hardware.
- Inner blade guard for safe operation.
- Power cord not included.
- Radius hose feed into blade for safety and reduced friction.
- Reversible 10" scalloped-edge, high-speed steel blade with 3/4" bore, can be sharpened.

**Specifications:**

- Dimensions: 7480-6606 - 22" wide by 42" length by 24" high
- Power Source: 3 HP (5.2 HP Peak), Single phase, 230V, 60 Hz., 20 Amp motor



Product Number	Description	Weight (Lbs.)
7480-6606	2" Wire Shop Saw 60Hz 230VAC w/Coolant System	195.00
7480-6608	2" Shop Saw Coolant Kit	5.00

## Gates Hose Cutter Model 4-16

**Features Advantages:**

- Abrasive cut-off wheel
- Cuts up to 1", four-wire braid

**Specifications:**

- Arbor Hole: 7/8"
- Cycle: 60 Hz / 1 phase
- No Load Speed: 7,400 rpm
- Power: 6.5 Amp
- Voltage: 120 Volts
- Wheel size: 6"



Product Number	Description	Weight (Lbs.)
7480-6605	Portable Saw	14.00

## Gates Hose Cutter Replacement Blades

Product Number	Description	Weight (Lbs.)
7482-0012	Saw Blade	.20
7482-0426	12" Abrasive Blade for #204, #205, #206, #207, #208	1.85
7482-0983	12" Scalloped Blade for #204, #205, #206, #207, #208	4.70
7482-1329	10" Scalloped Blade for 1.5" Shop Saw, 2" Shop Saw and 6-32 Saw	2.80
7793-0113	8" Scalloped Blade for 2-24	2.10

## Hand Skiving Tools



Product Number	Description	Weight (Lbs.)
7480-0413	Skiver Kit: Blade w/Holder, Bracket, Decal, Brace Assy., Brush	5.00
7482-0410	Blade Hand Skiver	.02
7482-0411	Bracket w/Screws and Keys	2.65
7482-0412	Blade Hldr. w/Screws and Keys	.55
7482-0421	Brace Assy.	1.20
7482-0422	Wire Brush	.50

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
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PARTS**Hand Skiving Mandrels**

Product Number	Description	Weight (Lbs.)
7482-0400	Mandrel 3/16"	1.60
7482-0401	Mandrel 1/4"	1.60
7482-0402	Mandrel 3/8"	1.65
7482-0403	Mandrel 1/2"	1.65
7482-0406	Mandrel 1"	2.40
7482-0407	Mandrel 1 1/4"	3.05
7482-0408	Mandrel 1 1/2"	3.45
7482-0409	Mandrel 2"	4.70

**Hand-Held Hose Cutter**

Makes clean cuts - no ragged edges. Cuts most non-metal reinforced rubber hose. Excellent for cutting textile-reinforced hose.

**Features Advantages:**

- Blade closes into handle for safety.
- Cutter and blades packaged individually on shrink-wrapped cards.
- Lightweight with nylon handles.



Product Number	Description	Weight (Lbs.)
7469-0153	Hand Held Hose Cutter (Red)	.35
7469-0154	Repl Blade for Red Hose Cutter (91153)	.02

**Blade for Skil Saw**

Product Number	Description	Weight (Lbs.)
7482-0099	8" Notched Blade for Skil Saw (7480-2500)	1.90

### Small Nylon Tubing Cutter & Replacement Blades

Tubing cutter gives straight, clean, square cuts on J844 tubing.

**Features Advantages:**

"Blade guard" offers more protection against accidental blade contact.

Designed to ensure user's safety.

Handle has ribs for improved grip.

Lightweight and compact size - 3/4" by 3".



Product Number	Description	Weight (Lbs.)
7208-40205	Blades for Hose Cutter Refurb	.10

### Power Crimp® 707 Swager Kit and Parts

Produces top quality assemblies using Gate®s 1/8" and 3/16" thermoplastic hydraulic hose with Gates® PCTS couplings and Gates® C14 PTFE hose and couplings. Easily converts the Power Crimp® 707 to a power swager.



Product Number	Description	Weight (Lbs.)
7480-0040	PC707 Swager Kit	8.00
7482-0429	Collar Swage Kit	.10
7482-0430	Cone Swage Kit	6.50
7482-0433	Adapter Assy.	1.25
7482-0482	Actuator Rod	1.15
7482-1253	Spacer for Collar Serial #'s above 18555-use w/Silver Backup Ring	.55

NOTE: Dies and pushers must be ordered separately. See Swage Data Chart in Gates Crimp Data Manual for details.

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## PCTS Swager Pusher and Dies

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Product Number	Description	Weight (Lbs.)
7483-0300	G 302 1/8" Pusher Die	2.50
7483-0301	G 303 3/16" Pusher Die	2.45
7483-0302	G 304 1/4" Pusher Die	2.40
7483-0303	G 305 5/16" Pusher Die	2.40
7483-0304	G 306 3/8" Pusher Die	2.35
7483-0305	G 308 1/2" Pusher Die	2.18
7483-0306	G 312 3/4" Pusher Die	2.15
7483-0307	G 316 1" Pusher Die	1.85
7483-0308	GM001 Male Pusher Cup	1.30
7483-0309	GM002 Male Pusher Cup	1.12
7483-0310	GM003 Male Pusher Cup	1.20
7483-0311	GM004 Male Pusher Cup	1.09
7483-0312	GM005 Male Pusher Cup	1.20
7483-0313	GM009 Male Pusher Cup	1.50
7483-0314	GM010 Male Pusher Cup	1.40
7483-0315	GM011 Male Pusher Cup	1.75
7483-0316	GM012 Male Pusher Cup	1.65
7483-0317	GM013 Male Pusher Cup	2.15
7483-0319	GM023 Male Pusher Cup	1.30
7483-0332	GF003 Female Pusher Cup	1.20
7483-0333	GF006 Female Pusher Cup	1.85
7483-0334	GF008 Female Pusher Cup	1.65
7483-0335	GF009 Female Pusher Cup	1.90
7483-0336	GF011 Female Pusher Cup	1.25
7483-0337	GF012 Female Pusher Cup	1.20
7483-0338	GF013 Female Pusher Cup	1.20
7483-0339	GF014 Female Pusher Cup	1.15
7483-0340	GF015 Female Pusher Cup	1.20
7483-0341	GF016 Female Pusher Cup	1.45
7483-0346	GT204 Bent Tube Pusher Cup	1.30
7483-0347	GT205 Bent Tube Pusher Cup	1.30
7483-0351	GT312 Bent Tube Pusher Cup	1.30
7483-0355	GF005 Female Pusher Cup	1.50
7483-0356	GM007 Male Pusher Cup	1.15
7483-0357	GM008 Male Pusher Cup	1.45
7483-0358	GF002 Female Pusher Cup	1.20
7483-0359	GF004 Female Pusher Cup	1.55
7483-0361	GF017 Female Pusher Cup	1.25
7483-0362	GF010 Female Pusher Cup	1.25
7483-0363	GM062 Male Pusher Cup	1.20
7483-0364	GT206 Bent Tube Pusher Cup	.70
7483-0366	GT308 Bent Tube Pusher Cup	1.60
7483-0367	GM006 Male Pusher Cup	1.15
7483-0368	GT310 Bent Tube Pusher Cup	1.40

### Gates HS-1 Hand Swager

Produces top quality assemblies using Gates 1/8" and 3/16" thermoplastic hydraulic hose with Gates PCTS couplings and Gates C14 PTFE hose and couplings. Simply insert the assembly into the swager from the bottom, place dies around the coupling, and pump the handle. A six-ton jack then goes to work and the swage is completed. Positive dies ensure a correct swage every time. The perfectly swaged assembly is removed and you are ready to repeat the process. Pushers and dies must be ordered separately.

**Specifications:**

Dimensions: 15" wide by 7" deep by 19 1/2" high



Product Number	Description	Weight (Lbs.)
7483-1000	HS-1 Hand Swager	41.00

### Power Mate 25 Machine and Stand

Portable hose assembly machine for field attachable couplings. 115 volts, 30 amps, 1 phase, 60 cycles.

**Features Advantages:**

- Accommodates male pipe, swivel, flange and elbow type field attachable couplings.
- Affords quick and simple operation reduces costly downtime and delays.
- Applies field attachable couplings in sizes from 3/16" through 2" I.D. on medium and high-pressure hose.
- Can be bench mounted or made portable with folding leg stand.
- Easy and safe to operate.
- Hand-skiving tool can be used with Power Mate 25.
- Heavy-duty provides years of trouble-free service.
- Produces complete, dependable hose assemblies.
- Weights 141 lbs. (without stand). Takes up less than 4 by 5 ft. of floor space with stand.



Product Number	Description	Weight (Lbs.)
7480-0029	Powermate 25 Reuse. Cplg. Mach.	152.00
7480-0030	Power Mate 25 Stand	38.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS**Lock-On Tool**

This hand-operated coupling machine, made of rugged cast iron and steel construction, eliminates the hard work of manually pushing stems into hose. It comes complete with mandrels for 1/4", 3/8", 1/2", 5/8" and 3/4" I.D. sizes of lock-on couplings.



Product Number	Description	Weight (Lbs.)
7480-0100	Lock-On Tool	15.00

**Lock-On Parts**

Product Number	Description	Weight (Lbs.)
7482-0543	Clamp Cam	.88
7482-1603	Handle	3.13
7482-2070	Hose Clamp	.14
7482-2074	Mandrel Support	.27
7482-2076	Mandrel 1/2" and 5/8"	.20
7482-2079	Mandrel 3/4"	.60
7482-2502	Compression Spring	.03
7482-2585	Follower 1/2" and 5/8"	.25
7482-2608	Follower Assy. 1/4"	.30
7482-2610	Follower Assy. 3/8"	.25
7482-2612	Follower Assy. 3/4"	.25
7482-2788	Mandrel 1/4"	.05
7482-2789	Mandrel 3/8"	.10

**Hand-Operated Hose Perforator Tool**

These hose perforators have needle-studded wooden rollers which perforate the covers of non-skive wire braid hose used in high pressure inert gas applications. They are hand operated so the operator can control the degree of perforation in the hose cover.

**Specifications:**

Dimensions: 7482-6565 - 2 1/2" O.D. roller by 1 1/4" wide by 8" OAL

Dimensions: 7482-6566 - 3 3/4" O.D. roller by 3" wide by 9 1/2" OAL



Product Number	Description	Weight (Lbs.)
7482-6565	1 1/4" Hose Perf. for 3/16" - 3/4" Hose	1.00
7482-6566	3" Hose Perf. for 1" - 2" Hose	2.00

### C14 Hose Cutting Shear - Recommended for PTFE Hose

This cutting shear handles Gates C14 PTFE hose up through 1" without requiring pretaping of the hose. The shear is fast and easy to use and results in a very clean cut.

**Specifications:**

Dimensions: 9" wide by 15" high by 14" deep. 30" handle



Product Number	Description	Weight (Lbs.)
7480-6596	Hose Cutting Shear for C14 Hose	23.00

### C14 Hose Insertion Die Holder - For use with Hose Insertion Dies

Required for inserting hose into ferrule on all sizes. Use the fixture to mount the Hose Insertion Die Holder onto a bench top to aid in the assembly of Gates® C14 hose. Each item listed in the table below must be ordered separately. See product numbers listed in Gates Crimp Data and Dies Manual.



Product Number	Description	Weight (Lbs.)
7483-0510	Hose Insert. Die Holder	.74
7483-0511	Hose Insert. Fixture	.58

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

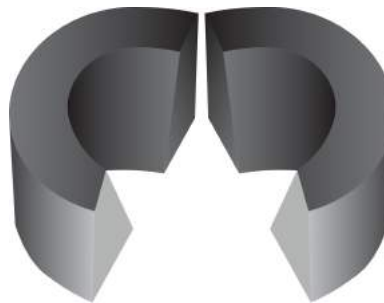
BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## C14 Insertion Dies

Used to guide the hose into the ferrule when used with the Hose Insertion Die Holder. One set required for each hose size. See product numbers listed in Gates Crimp Data and Dies Manual.



Product Number	Description	Weight (Lbs.)
7483-0503	HD-4C14	.60
7483-0504	HD-5C14	.60
7483-0505	HD-6C14	.55
7483-0506	HD-8C14	.55
7483-0507	HD-10C14	.50
7483-0508	HD-12C14	.40
7483-0509	HD-16C14	.25

## C14 Hose Expanders

Used to expand the hose and round out the tube after cutting and to insert the stem into the hose. One expander required for each hose size. See product numbers listed in Gates Crimp Data and Dies Manual..



Product Number	Description	Weight (Lbs.)
7483-0555	HE-4C14	.55
7483-0556	HE-5C14	.50
7483-0557	HE-6C14	.60
7483-0558	HE-8C14	.55
7483-0559	HE-10C14	.65
7483-0560	HE-12C14	.75
7483-0561	HE-16C14	1.33

## C14 Swager Dies

Specifically designed to swage Gates® C14 hose assemblies. They provide the required swage dimensions to meet full performance. One die set is required for each hose size. See product numbers listed in Gates® Crimp Data and Dies Manual.



Product Number	Description	Weight (Lbs.)
7483-0513	SD-4C14	2.65
7483-0514	SD-5C14	2.79
7483-0515	SD-6C14	2.60
7483-0516	SD-8C14	2.55
7483-0517	SD-10C14	2.64
7483-0518	SD-12C14	2.45
7483-0519	SD-16C14	2.30

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## C14 Swager Pushers

Specially designed to accommodate Gates® C14 couplings. They protect the threads and bottom out on the dies to complete the swage. Use the C14 Swage Data Chart in Gates Crimp Data and Dies Manual to determine the proper pushers.



Product Number	Description	Weight (Lbs.)
7483-0521	P-C14-12TUBE	1.90
7483-0522	P-C14-12TUBE-JS	2.05
7483-0530	P-C14-4TUBE	1.06
7483-0531	P-C14-5TUBE	1.05
7483-0532	P-C14-6TUBE	1.35
7483-0533	P-C14-8TUBE	1.36
7483-0534	P-C14-10TUBE	1.75
7483-0536	P-C14-4FJSX	1.30
7483-0537	P-C14-5FJSX	1.30
7483-0538	P-C14-6FJX	1.25
7483-0539	P-C14-6FSX	1.25
7483-0540	P-C14-8FJSX	1.20
7483-0541	P-C14-10FJSX	1.06
7483-0542	P-C14-12FJX	1.85
7483-0543	P-C14-12FSX	.90
7483-0544	P-C14-16FJSX	1.64
7483-0545	P-C14-4MP	1.30
7483-0546	P-C14-6MP	1.25
7483-0547	P-C14-8MP-8 & 10ABC	1.15
7483-0548	P-C14-12MP-12ABC	1.95
7483-0549	P-C14-16MP	1.65
7483-0550	P-C14-2MP	1.35
7483-0552	P-C14-6TBFLX	.53
7483-0553	P-C14-12TBFLX	1.15
7483-0554	P-C14-16TBFLX	2.00
7483-0580	P-C14-16TUBE-JS	4.08

## MegaCrimp® Coupling Insertion Tool

Offers an easy way to confirm the right insertion depth for all Gates wire-braid hydraulic hose. To use, simply insert the hose into its proper slot indicated by dash size, push it all the way in, check for square cut (maximum allowable angle of cut is five degrees), then mark the insertion depth on the hose.



Product Number	Description	Weight (Lbs.)
7482-1342	MegaCrimp Insertion Tool	4.30

## MegaClean™ Hose Nozzles

Used to remove dirt from the inside out with the help of pressurized launchers and compatible nozzles. Gates MegaClean foam projectiles sweep through the inside surface of the hose, taking fine particles of loose dirt and other contaminants with them. At 20-30 percent larger than the hose ID, these projectiles leave nothing behind but a hose that truly is clean from the inside out.



Product Number	Description	Weight (Lbs.)
7467-3000	MegaClean GH-04 Hose Nozzle	1.00
7467-3001	MegaClean GH-05 Hose Nozzle	1.00
7467-3002	MegaClean GH-06 Hose Nozzle	1.00
7467-3003	MegaClean GH-08 Hose Nozzle	1.00
7467-3004	MegaClean GH-10 Hose Nozzle	1.00
7467-3005	MegaClean GH-12 Hose Nozzle	1.00
7467-3006	MegaClean GH-16 Hose Nozzle	1.00
7467-3007	MegaClean GH-20 Hose Nozzle	1.00
7467-3008	MegaClean GH-24 Hose Nozzle	3.00
7467-3009	MegaClean GH-32 Hose Nozzle	3.00
7467-3010	MegaClean GH-40 to GH-64 Hose Nozzle Assortment	5.00
7467-3011	MegaClean GT-02 Tube Nozzle	1.00
7467-3012	MegaClean GA-04 JIC Assembly Nozzle	1.00
7467-3013	MegaClean GT-04 Tube Nozzle	1.00
7467-3014	MegaClean GT-05 Tube Nozzle	1.00
7467-3015	MegaClean GA-06 JIC Assembly Nozzle	1.00
7467-3016	MegaClean GT-06 Tube Nozzle	1.00
7467-3017	MegaClean GA-08 JIC Assembly Nozzle or Tube	1.00
7467-3018	MegaClean GA-10 JIC Assembly Nozzle or Tube	1.00
7467-3019	MegaClean GA-12 JIC Assembly Nozzle or Tube	1.00
7467-3020	MegaClean GA-16 JIC Assembly Nozzle or Tube	1.00
7467-3021	MegaClean GT-20 Tube Nozzle	1.00
7467-3022	MegaClean GA-20 JIC Assembly Nozzle or Tube	1.00
7467-3023	MegaClean GA-24 JIC Assembly Nozzle or Tube	3.00
7467-3024	MegaClean GA-32 JIC Assembly Nozzle or Tube	3.00
7467-3025	MegaClean GA-04 FFORX Flat Face Nozzle	1.00

## MegaClean™ Launcher Kits



Product Number	Description	Weight (Lbs.)
7467-0000	MegaClean Starter Kit - K40-64	22.00
7467-0001	MegaClean Starter Kit - 32	18.00
7467-0002	MegaClean Starter Kit - 20	16.60
7467-0003	MegaClean Bench Mount Kit -20	25.40

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## MegaClean™ Launcher Parts

Used to remove dirt from the inside out with the help of pressurized launchers and compatible nozzles. Gates MegaClean foam projectiles sweep through the inside surface of the hose, taking fine particles of loose dirt and other contaminants with them. At 20-30 percent larger than the hose ID, these projectiles leave nothing behind but a hose that truly is clean from the inside out.

Product Number	Description	Weight (Lbs.)
7467-1000	MegaClean L-32 Hand Launcher	22.00
7467-1001	MegaClean L-20 Hand Launcher	1.75
7467-1002	MegaClean L-64 Hand Launcher	30.00
7467-1003	MegaClean LC32 (Case Only)	40.00
7467-1004	MegaClean LC64 (Case Only)	40.00
7467-1005	MegaClean LC20 (Case Only)	40.00
7467-1006	MegaClean Projectile Catcher Bucket	16.00
7467-1007	MegaClean Assembly Tape	2.70
7467-1008	MegaClean Launcher Stand 32 and 64	7.00
7467-2000	MegaClean Male Quick Release Rotary Plug	2.00
7467-2001	MegaClean Female Quick Coupler for Launcher	3.00
7467-2003	MegaClean Adptr GAR-1 for MCL32 (-2 thru -20)	2.00
7467-2004	MegaClean Adptr GAR-1 for MCL64 (-2 thru -20)	3.00
7467-2005	MegaClean Adptr GAR-1 for MCL64 (-24 and -32)	2.00

## Rebuilt Equipment

All rebuilt equipment carries a full one-year warranty, the same as the new equipment. All equipment has been repainted and refurbished. Inventory varies. Contact Iola Distribution (318) 365-6961 for specific products availability.



Product Number	Description	Weight (Lbs.)
7480-00437	PC707ND (No Dies) Refurb	250.00
7480-00467	PC707ND (No Dies) - 230 Volt Refurb	250.00
7480-00497	PC707ND (No Dies) w/Brackets Refurb	250.00
7480-00507	MC4-20 PS Refurb	74.00
7480-00517	MC4-20 DD Refurb	74.00
7480-00707	SC32 Pump 220V Refurb	435.00
7480-00717	SC32 Crimper/Pump 110V Referb	435.00
7481-00027	Air Pump for MC4-20 Refurb	12.00
7481-00067	Hand Pump for MC4-20 Refurb	29.00
7481-00147	PC3000B E-H Pump Refurb	80.00
7481-00237	PC707 E-H Pump Refurb	85.00
7481-00287	PC707 E-H Pump - 230 Volt Refurb	85.00
7481-00337	1/4HP, 115V Pump MC4-20 Refurb	20.00
7481-00347	1/2HP, 115V Pump MC4-20 Refurb	37.00
7481-00357	1 1/2HP, 115V Pump MC4-20 Refurb	140.00
7481-00377	1/4HP, 12VDC Pump MC4-20 Refurb	20.00

## Finn Power Equipment Die Sets

Product Number	Description	Weight (Lbs.)
7482-0950	Die Set (FP31)	10.15
7482-0951	Die Set (FP32)	9.95
7482-0952	Die Set (FP33)	9.75
7482-0953	Die Set (FP34)	9.55
7482-0954	Die Set (FP35)	9.25
7482-0955	Die Set (FP36)	8.85
7482-0956	Die Set (FP37)	8.45
7482-0958	Die Set (FP39)	10.10
7482-0960	Die Set (FP311)	8.85
7482-0961	Die Set (FP312)	7.30
7482-0962	Die Set (FP313)	6.70
7482-0963	Die Set (FP301)	10.20
7482-0964	Die Set (FP6AC)	5.15
7482-0965	Die Set (FP8AC)	5.10
7482-0966	Die Set (FP10AC)	5.10
7482-0967	Die Set (FP12AC)	4.85
7482-0969	Die Set (FP32C4)	4.65
7482-0970	Die Set (FP314)	5.70
7482-0971	Die Set (FP30)	10.20
7482-0972	Die Set (FP304)	9.80
7482-0973	Die Set (FP302)	10.20
7482-0974	Die Set (FP86)	4.65
7482-0975	Die Set (FP87)	6.00
7482-0976	Die Set (FP88)	6.60
7482-0984	Die Set (FP21)	10.05
7482-0985	Die Set (FP22)	5.10
7482-1129	Die Set (FP310L)	9.50
7482-1248	Die Set (FP81)	7.90
7482-1249	Die Set (FP82)	7.35
7482-1250	Die Set (FP83)	6.50
7482-1251	Die Set (FP84)	6.90
7482-1252	Die Set (FP85)	5.25
7482-1258	Die Set (FP21S)	5.00
7482-1259	Die Set (FP22S)	5.45
7482-1281	Die Set (FP91)	9.80
7482-1325	Die Set (FP22M)	9.80
7482-1331	Die Set (FP18M)	10.00
7482-1403	Die Set (FP400)	5.45
7482-1405	Die Set (FP3335) LG	9.48
7482-1406	Die Set (FP3234) LG	9.48
7482-1415	Die Set (FP3436) LG	9.47
7482-1440	Die Set (FP3537) LG	8.98
7482-1441	Die Set (FP3638) LG	8.57
7482-1442	Die Set (FP38311) LG	9.00

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC. GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Uniflex Equipment Die Sets

Product Number	Description	Weight (Lbs.)
7482-1382	UNIFLEX Die Set (21)	4.40
7482-1383	UNIFLEX Die Set (22)	4.30
7482-1386	UNIFLEX Die Set (33)	4.15
7482-1387	UNIFLEX Die Set (34)	3.95
7482-1388	UNIFLEX Die Set (35)	3.75
7482-1390	UNIFLEX Die Set (37)	3.05
7482-1392	UNIFLEX Die Set (39)	3.15
7482-1394	UNIFLEX Die Set (311)	24.85

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBALSPIRAL  
COUPLINGSPCM / PCS  
FERRULESMEGACRIMP  
COUPLINGSSTAINLESS  
STEELPOWER CRIMP  
COUPLINGSLOC, GL AND GLP  
COUPLINGSPOLARSEAL  
COUPLINGSPOLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGSFIELD  
ATTACHABLE G1  
& G2 COUPLINGSFIELD  
ATTACHABLE C5  
& C5E  
COUPLINGSSURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## MegaClean™ System

Used to remove dirt from the inside out with the help of pressurized launchers and compatible nozzles. Gates MegaClean foam projectiles sweep through the inside surface of the hose, taking fine particles of loose dirt and other contaminants with them. At 20–30 percent larger than the hose ID, these projectiles leave nothing behind but a hose that truly is clean from the inside out.

### MegaClean MC-K32 Kit

**Product Number 7467-0001**

- MCL-32 Hand Launcher (Including "Rotary" Plug & Coupler)
- MC-GAR-1 Adapter Ring (-4 thru -20)
- LC32 Carrying & Storage Case
- Hose Nozzles GH-04, GH-05, GH-06, GH-08, GH-10, GH-12, GH-16, GH-20, GH-24, GH-32
- JIC Assembly Nozzles GA-04, GA-06, GA-08, GA-10, GA-12, GA-16, GA-20, GA-24, GA-32
- GA-04-FFORX Nozzle
- MC-32 Launcher Stand
- 1 Projectile Catcher Bucket
- 1 Roll MegaClean Assembly Tape
- 1 Bag of Projectiles Listed in Chart Below

### MegaClean MC-K20 Kit

**Product Number 7467-0002**

- MCL-20 Hand Launcher
- Female Quick-Release Coupler
- LC20 Carrying & Storage Case
- Hose Nozzles GH-04, GH-05, GH-06, GH-08, GH-10, GH-12, GH-16, GH-20
- 1 Projectile Catcher Bucket
- 1 Roll MegaClean Assembly Tape
- 1 Bag of Projectiles Listed in Chart Below

### MegaClean Projectiles Included in Kits

Product Number	Part Number	MC-K32	MC-K20	Bag Quantity
7467-50005	HAP-04	X	X	100
7467-50025	HP-04	X	X	100
7467-50035	HAP-06	X	X	100
7467-50045	HP-06	X	X	100
7467-50055	HAP-08	X	X	100
7467-50065	HP-08	X	X	100
7467-50075	HP-08-1	X	X	50
7467-50085	HP-10	X	X	50
7467-50105	HP-12	X	X	50
7467-50135	HP-16	X	X	40
7467-50155	HP-20	X	X	30
7467-50175	HP-24	X		20
7467-50195	HP-32	X		15



## How it works:



**Step1**



**Step2**

(continues next page)

HOSE

HOSE/CPLG.  
SELECTION

G8K COUPLINGS

GLOBAL SPIRAL  
COUPLINGS

PCM / PCS  
FERRULES

MEGACRIMP  
COUPLINGS

STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLAR SEAL  
COUPLINGS

POLAR SEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS



## MegaClean™ System Replacement Projectiles

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
STAINLESS STEEL
POWER CRIMP COUPLINGS
LOC, GL AND GLP COUPLINGS
POLARSEAL COUPLINGS
POLARSEAL II COUPLINGS
C14 COUPLINGS
PCTS THERMOPLASTIC COUPLINGS
FIELD ATTACHABLE G1 & G2 COUPLINGS
FIELD ATTACHABLE C5 & C5E COUPLINGS
SURELOK AIR BRAKE COUPLINGS
ADAPTERS
QUICK DISCONNECT COUPLERS
LIVE SWIVEL
BALL VALVES
ACCESSORIES
EQUIPMENT AND PARTS

Description	Product Number	Part Number
MegaCleanHAP-04-01 Assembly Projectile (100 ea)	7467-50005	MC-HAP-04-1
MegaCleanHAP-04 Assembly Projectile (100 ea)	7467-50015	MC-HAP-04
MegaCleanHP-04 Hose Projectile (100 ea)	7467-50025	MC-HP-04
MegaCleanHAP-06 Assembly Projectile (100 ea)	7467-50035	MC-HAP-06
MegaCleanHP-06 Hose Projectile (100 ea)	7467-50045	MC-HP-06
MegaCleanHAP-08 Assembly Projectile (100 ea)	7467-50055	MC-HAP-08
MegaCleanHP-08 Hose Projectile (100 ea)	7467-50065	MC-HP-08
MegaCleanHP-08-1 Hose Projectile (50 ea)	7467-50075	MC-HP-08-1
MegaCleanHP-10 Hose Projectile (50 ea)	7467-50085	MC-HP-10
MegaCleanHP-10-1 Hose Projectile (50 ea)	7467-50095	MC-HP-10-1
MegaCleanHP-12 Hose Projectile (50 ea)	7467-50105	MC-HP-12
MegaCleanHP-12-1 Hose Projectile (40 ea)	7467-50115	MC-HP-12-1
MegaCleanHP-14 Hose Projectile (40 ea)	7467-50125	MC-HP-14
MegaCleanHP-16 Hose Projectile (40 ea)	7467-50135	MC-HP-16
MegaCleanHP-16-1 Hose Projectile (30 ea)	7467-50145	MC-HP-16-1
MegaCleanHP-20 Hose Projectile (30 ea)	7467-50155	MC-HP-20
MegaCleanHP-20-1 Hose Projectile (20 ea)	7467-50165	MC-HP-20-1
MegaCleanHP-24 Hose Projectile (20 ea)	7467-50175	MC-HP-24
MegaCleanHP-24-1 Hose Projectile (15 ea)	7467-50185	MC-HP-24-1
MegaCleanHP-32 Hose Projectile (15 ea)	7467-50195	MC-HP-32
MegaCleanHP-32-1 Hose Projectile (10 ea)	7467-50205	MC-HP-32-1
MegaCleanHP-40 Hose Projectile (10 ea)	7467-50215	MC-HP-40
MegaCleanHP-48 Hose Projectile (10 ea)	7467-50225	MC-HP-48
MegaCleanHP-56 Hose Projectile (10 ea)	7467-50235	MC-HP-56
MegaCleanHP-64 Hose Projectile (10 ea)	7467-50245	MC-HP-64

Description – Bulk Pack	Product Number	Part Number
MegaCleanHAPB-04-01 Assembly Projectile Bulk (10000ea)	7467-5000	MC-HAPB-04-1
MegaCleanHAPB-04 Assembly Projectile Bulk (10000ea)	7467-5001	MC-HAPB-04
MegaCleanHAPB-04 Assembly Projectile Bulk (10000ea)	7467-5002	MC-HPB-04
MegaCleanHAPB-06 Assembly Projectile Bulk (10000ea)	7467-5003	MC-HAPB-06
MegaCleanHPB-06 Hose Projectile Bulk (10000ea)	7467-5004	MC-HPB-06
MegaCleanHAPB-08 Assembly Projectile Bulk (10000ea)	7467-5005	MC-HAPB-08
MegaCleanHPB-08 Hose Projectile Bulk (10000ea)	7467-5006	MC-HPB-08
MegaCleanHPB-08-1 Hose Projectile Bulk (9000ea)	7467-5007	MC-HPB-08-1
MegaCleanHPB-10 Hose Projectile Bulk (7000ea)	7467-5008	MC-HPB-10
MegaCleanHPB-10-1 Hose Projectile Bulk (5500ea)	7467-5009	MC-HPB-10-1
MegaCleanHPB-12 Hose Projectile Bulk (4000ea)	7467-5010	MC-HPB-12
MegaCleanHPB-12-1 Hose Projectile Bulk (3800ea)	7467-5011	MC-HPB-12-1
MegaCleanHPB-14 Hose Projectile Bulk (3500ea)	7467-5012	MC-HPB-14
MegaCleanHPB-16 Hose Projectile Bulk (2000ea)	7467-5013	MC-HPB-16
MegaCleanHPB-16-1 Hose Projectile Bulk (1900ea)	7467-5014	MC-HPB-16-1
MegaCleanHPB-20 Hose Projectile Bulk (1500ea)	7467-5015	MC-HPB-20
MegaCleanHPB-20-1 Hose Projectile Bulk (1200ea)	7467-5016	MC-HPB-20-1
MegaCleanHPB-24 Hose Projectile Bulk (650ea)	7467-5017	MC-HPB-24
MegaCleanHPB-24-1 Hose Projectile Bulk (600ea)	7467-5018	MC-HPB-24-1
MegaCleanHPB-32 Hose Projectile Bulk (450ea)	7467-5019	MC-HPB-32
MegaCleanHPB-32-1 Hose Projectile Bulk (360ea)	7467-5020	MC-HPB-32-1



Step3



Step4



Step5



Step6

# PART NUMBER INDEX

PART#	PAGE	PART#	PAGE	PART#	PAGE
1 1/2HP, 115V Pump MC4-20 Refurb	W32	2MBSPP-2MP	R58	3C2-6FDLX	.15
1 1/2HP, 115V, AC Pump	W1	2MBSPP-4FBSPPX	R76	3C2-6FDLX90	.15
1 1/4" Hose Perf. for 3/16" - 3/4" Hose	W26	2MBSPP-4FJX	R61	3CARTRIDGE-AB	Q1
1 1/4" THRU 2" BV LOCK OUT KIT	U4	2MBSPP-4FP	R58	3FJ-CAP	R22
1 1/8" RSG-25FT	V4	2MBSPP-4MJ	R59	3G1XBALE	B27
1 3/8" CS1157-25FT	V5	2MBSPP-4MJ45	R60	3G1XCTN	B27
1 3/8" FSG-25FT	V4	2MBSPP-4MJ90	R61	3G1XREEL	B27
1 3/32" FSG-25FT	V4	2MBSPP-4MP	R58	3G2 X50FT	B22
1 3/64" RSG-25FT	V4	2MBSPP-5MJ	R59	3G2XREEL	B22
1 5/8" FSG-25FT	V4	2MBSPP-6MJ	R59	3GTHXCTN	B35
1 5/8" RSG-25FT	V4	2MBSPPOR-4MFFOR	R63	3LOLAXREEL*	B40
1 7/8" CS1158-25FT	V5	2MBSPPOR-4MFFOR45	R64	3LOLBXREEL*	B40
1 7/32" FSG-25FT	V4	2MBSPPOR-4MFFOR90	R65	3LOLCXREEL**	B40
1 9/16" FSG-25FT	V4	2MBSPPOR-4MJ	R62	3LOLGXREEL**	B40
1 9/32" FSG-25FT	V4	2MBSPP-PLUG	R76	3LOLRXREEL*	B40
1 9/32" RSG-25FT	V4	2MBSPT-4MJ	R56	3LOLYXREEL**	B40
1 11/16" FSG-5FT	V4	2MBSPT-4MJ45	R56	3M3KXREEL	B16
1 11/32" RSG-25FT	V4	2MBSPT-4MJ90	R57	3M3K-XTFXREEL	B18
1 27/32" FSG-15FT	V4	2MBSPT-5MJ	R56	3MB-2FP	R13
1 27/32" RSG-10FT	V4	2MBSPT-6MJ	R56	3MB-3MJ90	R19
1 37/64" RSG-25FT	V4	2MBSPT-PLUG	R75	3MB-4MJ	R17
1 51/64" FSG-15FT	V4	2MJ-2FP	R35	3MB-PLUG	R12
1" CS1156-50FT	V5	2MJ-2MJ	R23	3MJ-2FP	R35
1" FSG-25FT	V4	2MJ-2MJ-2MJ	R28	3MJ-2MJ	R23
1.5" 2 Wire Shop Saw 60Hz 115VAC	W20	2MJ-2MJ90	R24	3MJ-2MP	R31
1/2" CS1153-100FT	V5	2MJ-2MP	R31	3MJ-2MP45	R33
1/2HP, 115V Pump MC4-20 Refurb	W32	2MJ-2MP45	R33	3MJ-2MP90	R34
1/2HP, 115V, AC Pump	W1	2MJ-2MP90	R34	3MJ-3BKHD	R27
1/4 - 20 X 5/8 Screw	W14	2MP-2FP90	R4	3MJ-3MJ	R23
1/4" CS1151-100FT	V5	2MP-2FPX	R5	3MJ-3MJ-2MP	R38
1/4" THRU 1/2" BV LOCK OUT KIT	U4	2MP-2FPX45	R5	3MJ-3MJ-3MJ	R28
1/4HP, 12V, DC Pump	W1	2MP-2FPX90	R6	3MJ-4FP	R35
1/4HP, 12VDC Pump MC4-20 Refurb	W32	2MP-2MP	R1	3MJ-PLUG	R22
1/4HP, 115V Pump MC4-20 Refurb	W32	2MP-2MP90	R2	3NABTA X100FT	B45
2 1/8" RSG-7FT	V4	2MP-4AB-4AB	Q5	3PC1FS	.16
2 3/32" FSG-10FT	V4	2MP-4FP90	R4	3PC2F-2	.16
2 7/8" FSG-5FT	V5	2MP-4FPL	R3	3PCTS-2MP	.N1
2 7/64" RSG-7FT	V4	2MP-4FPX	R5	3PCTS-2MPX	.N1
2 11/32" FSG-5FT	V4	2MP-4FPX45	R5	3PCTS-4FJSX	.N2
2 Drawer Coupling Cabinet	W18	2MP-4FPX90	R6	3PCTS-4FJX90S	.N2
2 Position 3-Way Solenoid	W9	2MP-6FPL	R3	3PCTS-4MP	.N1
2 Stage Hand Pump	W1	2MP-PLUG	R1	3PCTS-4MPX	.N1
2" Shop Saw Coolant Kit	W20	2MPX-4AB-4AB	Q7	3RFSXREEL	B28
2" Wire Shop Saw 60Hz 230VAC w/Coolant System	W20	2NABTA X100FT	B45	3RLA X25FT	B37
2.5AB-1MP	Q2	2NABTAXLG REEL	B45	3RLAXREEL	B37
2.5AB-2.5AB	Q11	2PCTS-2MP	.N1	3TH7NC X50FT	B50
2.5AB-2FP	Q8	2PCTS-2MPX	.N1	3TH7NCXCTN	B50
2.5AB-2MP	Q2	2PCTS-3FJX	.N1	3TH7XCTN	B49
2.5AB-2MP90	Q3	2PCTS-4FJSX	.N2	3TH8XCTN	B48
2.5AB-2MPX90	Q5	2PCTS-4MP	.N1	3TS	V16
2.5AB-PLUG	Q1	2TH7NCXCTN	B49	3TSN	V16
2.5NABTA X100FT	B45	2TH7XCTN	B49	4 O-RING	V13
2AB-2AB	Q11	2TSN	V16	4 O-RING FBSPP	V14
2AB-2AB-2AB	Q12	3 1/2" Wide Bins w/3 Dividers (Carton of 10)	W17	4 O-RING FF	V14
2AB-2MP	Q2	3 O-RING	V13	4-4FBO	.14
2AB-2MP90	Q3	3" Hose Perf. for 1" - 2" Hose	W26	4-5FBO	.14
2BBDs	R74	3/4" CS1155-50FT	V5	4AB-1MP	Q2
2FBSPP-2MP	R65	3/4" THRU 1" BV LOCK OUT KIT	U4	4AB-2FP	Q8
2FBSPP-4MJ	R66	3/8" CS1152-100FT	V5	4AB-2FP90	Q8
2FBSPP-4MP	R65	3/8" Floor Flange	W14	4AB-2FP-BKHD	Q10
2FBSPP-CAP	R75	3/8" X 4 Pipe Nipple	W14	4AB-2MP	Q2
2FBSPPX-2MP90	R67	3/16" X 1/2 Roll Pin	W14	4AB-2MP45	Q2
2FBSPPX-4MJ	R67	3-2FP	.11	4AB-2MP90	Q3
2FJ-CAP	R22	3-2MP	.11	4AB-2MPX45	Q4
2FP-2FP	R7	3-2MPG	.15	4AB-2MPX90	Q5
2FP-2FP-2FP	R10	3-2MPGB	.15	4AB-4AB	Q11
2FP-2FP-2MP	R11	3-2MPX	.11	4AB-4AB-2MP	Q6
2FP-2FP90	R8	3-3FJX	.12	4AB-4AB-2MPX	Q7
2FP-2FPX	R8	3-4FBO	.14	4AB-4AB-4AB	Q12
2FP-2FPX45	R9	3-4FJX	.12	4AB-4AB-4MP	Q6
2FP-2FPX90	R9	3-4MJ	.12	4AB-4AB-4MPX	Q7
2FP-4FPX	R8	3-4MP	.11	4AB-4AB-6MP	Q6
2FP-4FPX45	R9	3AB-2FP90	Q8	4AB-4AB90	Q11
2FP-4FPX90	R10	3AB-2MP	Q2	4AB-4AB-BKHD	Q10
2FPX-2FPX-2FPX	R11	3AB-2MP90	Q3	4AB-4FP	Q8
2FPX-2FPX-2MP	R12	3AB-3AB	Q11	4AB-4FP90	Q8
2MB-2MJ	R17	3AB-3AB-2MP	Q6	4AB-4FP-BKHD	Q10
2MB-2MJ90	R19	3AB-3AB-2MPX	Q7	4AB-4MFA-BKHD	Q10
2MB-4MJ	R17	3AB-3AB-3AB	Q12	4AB-4MP	Q2
2MB-PLUG	R12	3C2-3MIX	.13	4AB-4MP45	Q2
2MBSPP-PLUG	R74	3C2-3MIX45S	.13	4AB-4MP90	Q3
2MBSPP-2FBSPPX	R76	3C2-3MIX90	.14	4AB-4MPX45	Q4
2MBSPP-2FP	R58	3C2-4FJX45S	.12	4AB-4MPX90	Q5
		3C2-4FJX90S	.13	4AB-6FP90	Q8

# PART NUMBER INDEX

PART#	PAGE	PART#	PAGE	PART#	PAGE
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4AB-6MP90	Q3	4FBSPP-CAP	R75	4G-4FJISPX	G43
4AB-6MPX90	Q5	4FBSPPX-4FJX	R68	4G-4FJISX	G42
4AB-8MP90	Q3	4FBSPPX-4MJ	R67	4G-4FJX	G8
4AB-PLUG	Q1	4FBSPPX-4MP90	R67	4G-4FJX45S	G9
4B1F-1SS	H8	4FBSPPX-5MJ	R67	4G-4FJX90L	G10
4B1F-2SS	H8	4FBSPPX-6FJX	R68	4G-4FJX90M	G10
4B-4FFORX-SS	H7	4FBSPPX-6MJ	R67	4G-4FJX90S	G10
4B-4FJSX45S-SS	H6	4FFN	V17	4G-4FJX-TCX	G45
4B-4FJSX90M-SS	H7	4FFOR-CAP	R39	4G-4FKX	G41
4B-4FJSX-SS	H5	4FFORX-4MJ	R47	4G-4FKX45	G41
4B-4MP-SS	H4	4FFS	V17	4G-4FKX90	G42
4BBD5	R74	4FJ-CAP	R22	4G-4FP	G3
4C1T-2RMP	O1	4FJIS-4MJ	R81	4G-4FP-TCX	G44
4C1T-4RFJX	O2	4FJIS-CAP	R81	4G-4FPX	G4
4C1T-4RFJX45	O3	4FJX-2FP	R37	4G-4FSX	G12
4C1T-4RFJX90	O3	4FJX-2MP	R36	4G-4FSX45	G12
4C1T-4RMP	O1	4FJX-2MP90	R37	4G-4FSX90	G13
4C1T-4RMPX	O1	4FJX-4FP	R37	4G-4MB	G4
4C1T-5RFJX	O2	4FJX-4MP	R36	4G-4MBSPP	G37
4C2AT-2RMP	O4	4FJX-4MP90	R37	4G-4MBSPT	G36
4C2AT-4RFFORX	O7	4FK-4MJ	R83	4G-4MBX	G5
4C2AT-4RFFORX45S	O7	4FK-CAP	R82	4G-4MFA	G26
4C2AT-4RFFORX90S	O8	4FP-2FP	R7	4G-4MFFOR	G17
4C2AT-4RFJX	O5	4FP-2FP90	R8	4G-4MIX	G24
4C2AT-4RFJX45	O6	4FP-2FPX	R8	4G-4MIX90	G25
4C2AT-4RFJX90	O6	4FP-2FPX90	R10	4G-4MJ	G7
4C2AT-4RMP	O4	4FP-4FP	R7	4G-4MP	G1
4C2AT-4RMPX	O4	4FP-4FP-4FP	R10	4G-4MPLN	G1
4C2AT-5RFJX	O5	4FP-4FP-4FPBV	U4	4G-4MP-TCX	G44
4C5-2RMP	P1	4FP-4FP-4MP	R11	4G-4MPX	G2
4C5-4RFFORX	P9	4FP-4FP90	R8	4G-4MPX90	G2
4C5-4RFFORX45	P10	4FP-4FPBV	U2	4G-4MQLH	G13
4C5-4RFFORX90	P10	4FP-4FPX	R8	4G-4MQLH45S-008	G14
4C5-4RFJX	P7	4FP-4FPX45	R9	4G-4MQLH90L-039	G14
4C5-4RFJX45	P8	4FP-4FPX90	R10	4G-4MQLH90S-018	G14
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